

# **CRAFTSMAN**<sup>®</sup> MODEL NUMBER 917.256582 OWNER'S MANUAL

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





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

CAUTION: Read and follow all safety rules and instructions before operating this equipment. FOR CONSUMER ASSISTANCE HOT LINE, CALL THIS TOLL FREE NUMBER: 1-800-659-5917

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

### 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 bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.



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.

## A WARNING A

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. **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 Authorized Service Center/Department. We have competent, welltrained technicians and the proper tools to service or repair this tractor.

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

MODEL NUMBER 917.256582

SERIAL

NUMBER .

DATEOFPURCHASE\_

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A PLATE UNDER THE SEAT.

YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

#### **MAINTENANCE AGREEMENT**

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

### **CUSTOMER RESPONSIBILITIES**

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your tractor.
- Follow the instructions under "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-SF/SG):	SAE 10W30 (above 32°F) SAE 5W-30 (below 32°F)
OIL CAPACITY:	W/ FILTER: 4.0 PINTS W/O FILTER: 3.5 PINTS
SPARK PLUG: (GAP: .040")	CHAMPION RC12YC
VALVE CLEARANCE:	NOT ADJUSTABLE
GROUND SPEED (MPH):	FORWARD: 1st 1.1 2nd 1.5 3rd 2.3 4th 3.5 5th 4.4 6th 5.7 REVERSE: 1.7
TIRE PRESSURE:	FRONT: 14 PSI REAR: 10 PSI
CHARGING SYSTEM:	3 AMPS BATTERY 5 AMPS HEADLIGHTS
BATTERY:	AMP/HR: 30 MIN. CCA: 240 CASE SIZE: U1R
BLADE BOLT TORQUE:	30-35 FT. LBS.

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

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

### LIMITED TWO YEAR WARRANTY ON CRAFTSMAN RIDING EQUIPMENT

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

This Warranty does not cover.

- Expendable items which become wom during normal use, such as blades, spark plugs, air cleaners, belts, etc.
- Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- · Repairs necessary because of operator abuse, negligence, improper storage or accident or the failure to maintain the

equipment according to the instructions contained in the owner's manual.
Riding equipment used for commercial or rental purposes.

### LIMITED 90 DAY WARRANTY ON BATTERY

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

IN-HOME WARRANTY SERVICE ON YOUR CRAFTSMAN RIDING EQUIPMENT IS AVAILABLE AT NO-CHARGE FOR 30 DAYS FROM THE DATE OF PURCHASE. PLEASE CONTACT YOUR NEAREST SERVICE CENTER. AFTER 30 DAYS FROM THE DATE OF PURCHASE, WARRANTY SERVICE IS AVAILABLE BY TAKING YOUR CRAFTSMAN RIDING EQUIPMENT TO YOUR NEAREST SEARS SERVICE CENTER. (IN-HOME WARRANTY SERVICE WILL STILL BE AVAILABLE AFTER 30 DAYS FROM THE DATE OF PURCHASE BUT A STANDARD TRIP CHARGE WILL APPLY.) THIS WARRANTY APPLIES ONLY WHILE THIS PRODUCT IS IN THE UNITED STATES.

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

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

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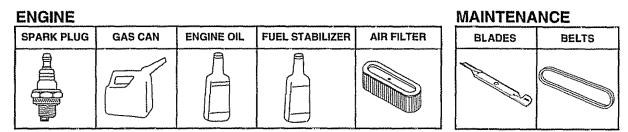
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## **ACCESSORIES AND ATTACHMENTS**

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.



#### 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, 48-inch wide blade clears 42-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.

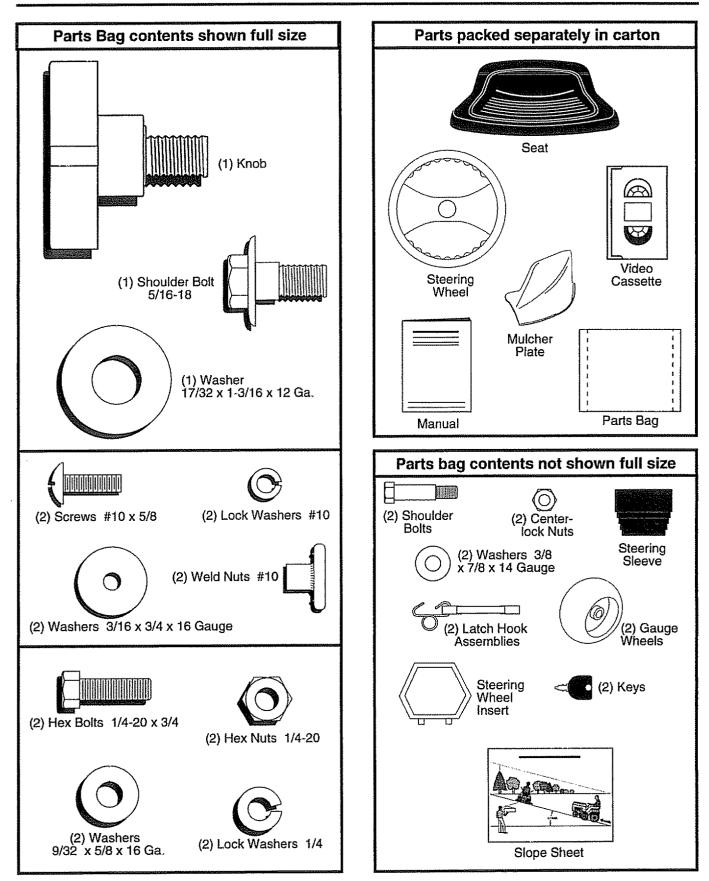
**TRACTOR CAB** has heavy duty vinyl fabric over tubular steel frame, ABS plastic top; clear plastic windshield offers 360 degree visibility. Hinged metal doors with catch. Keeps operator warm and dry. Remove vinyl sides and windshields for use as sun protector in summer. **Optional accessories include:** 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**



## ASSEMBLY

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

### **TOOLS REQUIRED FOR ASSEMBLY**

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

- (1) 5/16" wrench (1) 3/4" Socket w/drive rachet
- (2) 7/16" wrenches Phillips Screwdriver
- (1) 1/2" wrench Tire pressure gauge
- (1) 9/16" wrench Utility knife

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

### TO REMOVE TRACTOR FROM CARTON

#### **UNPACK CARTON**

- 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.

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

- Press lift lever plunger and raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Place gearshift lever in neutral (N) position.
- Roll tractor backwards off skid.
- Remove banding holding discharge guard up against tractor.

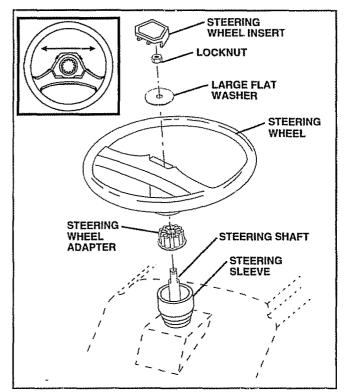


FIG. 1

#### CONNECT BATTERY (See Fig. 2)



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

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

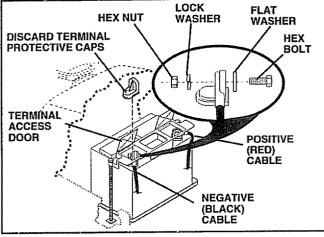
- Lift hood to raised position.
- Open terminal access doors, remove terminal protective caps and discard.
- If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps.
- First connect RED battery cable 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.
- Close terminal access doors.

Use terminal access doors for:

Inspection for secure connections (to tighten hardware).

## ASSEMBLY

- Inspection for corrosion.
- Testing battery.
- Jumping (if required).
- Periodic charging.





#### **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.

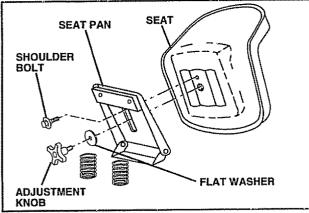


FIG. 3

#### **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.

#### ASSEMBLE GAUGE WHEELS TO MOWER DECK (See Fig. 4)

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.

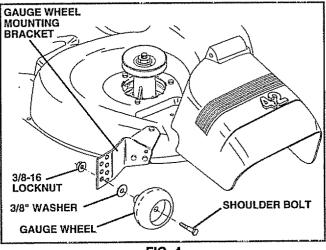


FIG. 4

## ASSEMBLY

#### **INSTALL MULCHER PLATE** (See Figs. 5 & 6)

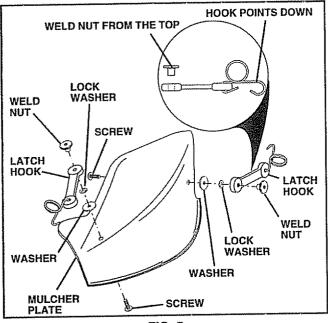
Install two latch hooks to mulcher plate using screw, washer, lock washer, and weld nut as shown.

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

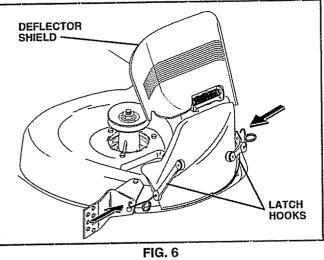
- Tighten hardware securely.
- Raise and hold deflector shield in upright position.
- Place front of mulcher plate over front of mower deck opening and slide into place, as shown.
- Hook front latch into hole on front of mower deck.
- Hook rear latch into hole on back of mower deck.



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







#### TO CONVERT TO BAGGING OR DISCHARGING

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

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

### J 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:

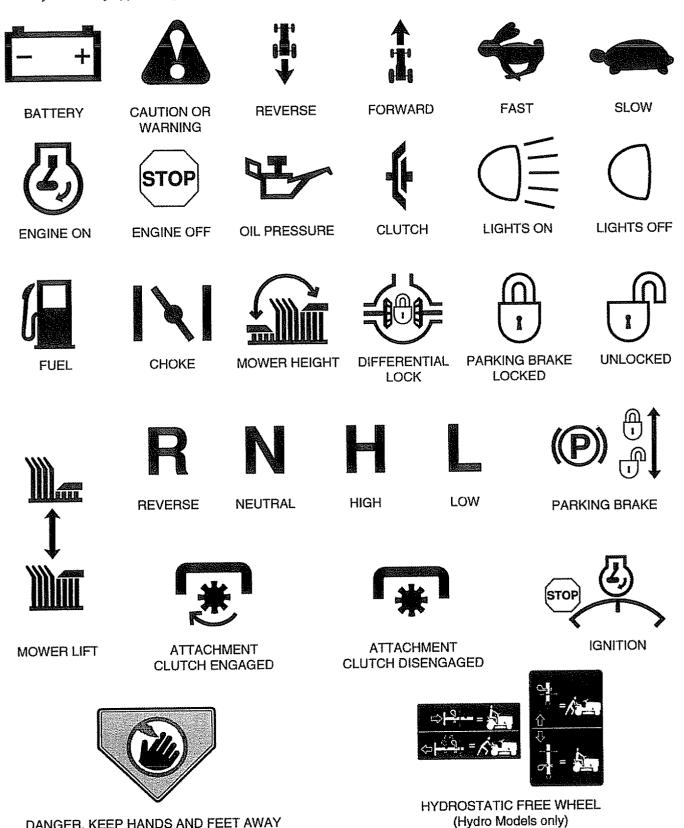
- All assembly instructions have been completed. 1
- No remaining loose parts in carton. 1
- Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- Seat is adjusted comfortably and tightened securely. 1
- All tires are properly inflated. (For shipping purposes, the tires were overinflated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

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

- Engine oil is at proper level.
- Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- Become familiar with all controls their location and function. Operate them before you start the engine.
- Be sure brake system is in safe operating condition. ſ



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

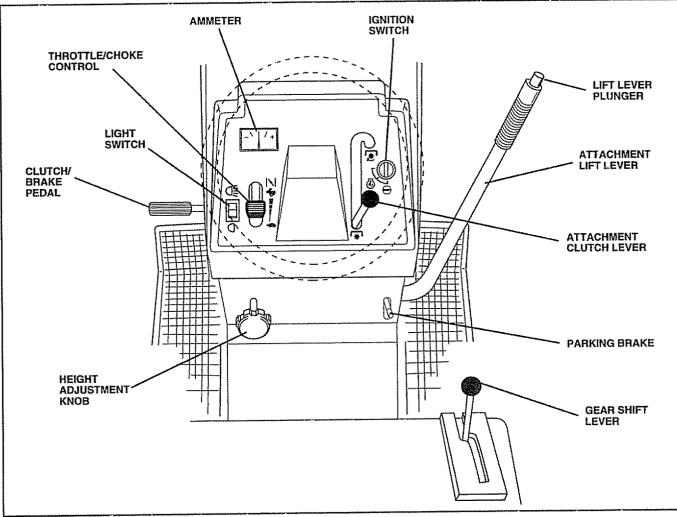


DANGER, KEEP HANDS AND FEET AWAY

### 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.



**FIG.** 7

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 to control engine speed.

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

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

**GEAR SHIFT LEVER** - Selects the speed and direction of the tractor.

ATTACHMENT LIFT LEVER: Used to raise and lower the mower deck or other attachments mounted to your tractor. LIFT LEVER PLUNGER: Used to release attachment lift

lever when changing its position.

**IGNITION SWITCH:** Used for starting and stopping the engine.

**HEIGHT ADJUSTMENT KNOB:** Used to adjust the mower cutting height.

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



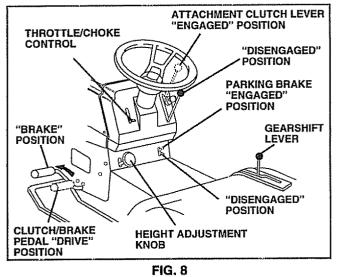
The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over the spectacles or standard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

### HOW TO USE YOUR TRACTOR

#### TO SET PARKING BRAKE (See Fig. 8)

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 tractor secure.



#### STOPPING (See Fig. 8)

MOWER BLADES -

 Move attachment clutch lever to "DISENGAGED" position.

**GROUND DRIVE -**

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

**ENGINE** -

Move throttle control to slow ( ) position.

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

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

**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. 8)

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. 8)

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

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

 Slowly release clutch/brake pedal to start movement.
 IMPORTANT: BRING TRACTOR TO A COMPLETE STOP BEFORE SHIFTING OR CHANGING GEARS. FAILURE TO DO SO WILL SHORTEN THE USEFUL LIFE OF YOUR TRANSAXLE.

#### TO ADJUST MOWER CUTTING HEIGHT (See Fig. 8)

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.

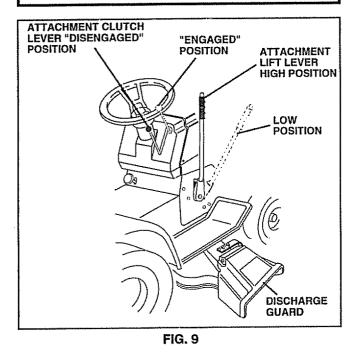
#### **TO OPERATE MOWER (See Fig. 9)**

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.



TO OPERATE ON HILLS



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

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

- To restart movement, slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

#### **TO TRANSPORT**

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

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

#### **BEFORE STARTING THE ENGINE** CHECK ENGINE OIL LEVEL (See Fig. 15)

- 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 with a minimum of 87 octane. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Do not mix oil with gasoline. Purchase fuel in quantities that can be used within 30 days to assure fuel freshness.

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

- Depress clutch/brake pedal and set parking brake.
- Place gear shift lever in neutral (N) position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control to choke (N) position.

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

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

WARM WEATHER STARTING (50° F and above)

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

COLD WEATHER STARTING (50° F and below)

- When engine starts, allow engine to run with the throttle control in the choke (N) position until the engine runs roughly, then move throttle control to fast (4) position. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.
- The attachments can also be used during the engine warm-up period.

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

### **MOWING TIPS**

- Tire chains cannot be used when the mower housing is attached to tractor.
- Mower should be properly leveled for best mowing performance. See "TOLEVEL 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. 10).
- 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.

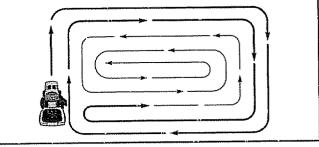
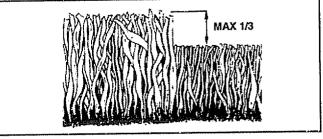


FIG. 10

#### **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. 11). For extremely heavy mulching, reduce your width of cut 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.



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A C	Lubrication Chart				V				6				ļ	
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1	Replace Oil Filter (If equipped)						V1.2			_		ļ	1	ļ
N	Clean Engine Cooling Fins						<b>V</b> 2	ļ	ļ	_	<u> </u>	ļ		ļ
E	Replace Spark Plug						V	6	<u> </u>			ļ	<u> </u>	
	Replace Alr Filter Paper Cartridge					ļ	V2	<u> </u>						ļ
100000	Replace Fuel Filter							V						

1 - Change more often when operating under a heavy load or in high amblent temperatures

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

3 - If equipped with oil filter, change oil every 50 hours

4 - Replace blades more often when mowing in sandy soll

#### **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**

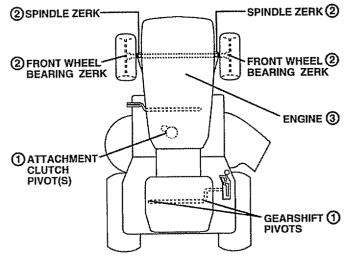
- Check engine oil level.
- Check brake operation.
- Check tire pressure.
- Check for loose fasteners.

5 - If equipped with adjustable system

6 - Not required if equipped with maintenance-free battery. 7 - Tighten front axle pivot bolt to 35 ft-lbs. maximum.

Tighten front axle pivol Do not overlighten

#### LUBRICATION CHART



() SAE 30 OR 10W30 MOTOR OIL

(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 LUBRI-CANTS 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, POW-DERED 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. 12)**

- 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.

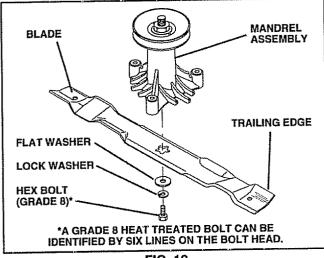


FIG. 12

#### TO SHARPEN BLADE (See Fig. 13)

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.

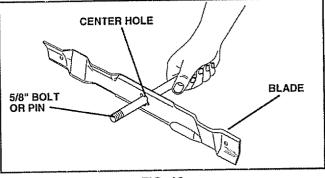


FIG. 13

#### BATTERY

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

- Keep battery and terminals clean.
- Keep battery bolts tight.
- Keep small vent holes open.
- Recharge at 6-10 amperes for 1 hour.
- TO CLEAN BATTERY AND TERMINALS

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

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

#### **V-BELTS**

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

#### TRANSAXLE COOLING

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

### ENGINE

#### LUBRICATION

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

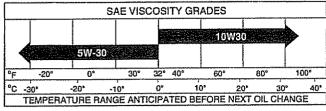


FIG. 14

**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 Figs. 14 and 15)

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

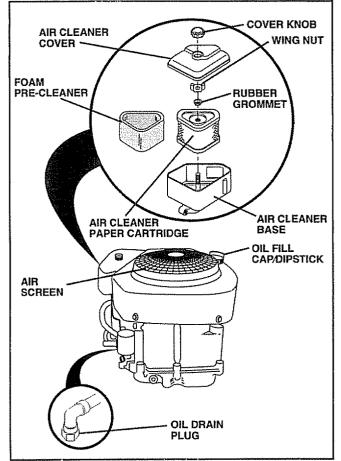


FIG. 15

#### **CLEAN AIR SCREEN (See Fig. 15)**

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. 15)

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.

#### MUFFLER

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

#### SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" on page 3 of this manual.

•

#### ENGINE OIL FILTER (See Fig. 16)

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 and wipe off filter adapter.
- 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.

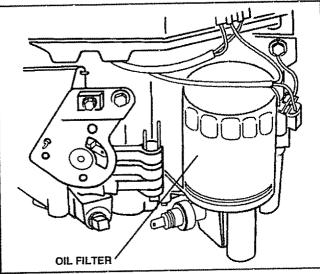


FIG. 16

#### IN-LINE FUEL FILTER (See Fig. 17)

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.

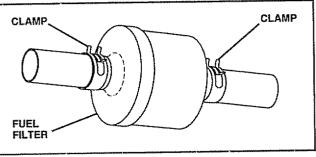


FIG. 17

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

### TRACTOR

#### TO REMOVE MOWER (See Fig. 18)

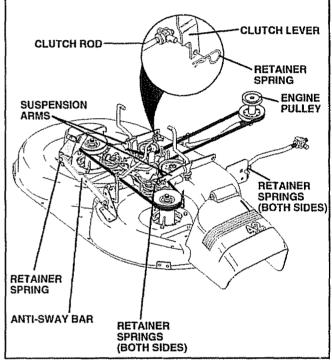
Mower will be easier to remove from the right side of tractor.

- 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, REMOVE THE FRONT LINKS.

#### TO INSTALL MOWER (See Fig. 18)

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





#### TO LEVEL MOWER HOUSING

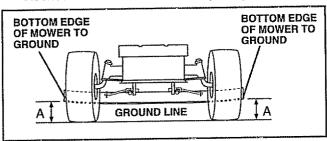
Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" on page 3 of this manual). If tires are over or underinflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT (See Figs. 19 and 20)

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

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

Recheck measurements after adjusting.



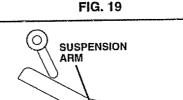


FIG. 20

LIFT LINK ADJUSTMENT NUT

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FRONT-TO-BACK ADJUSTMENT (See Figs. 21 and 22) IMPORTANT: DECK MUST BE LEVEL SIDE-TO-SIDE. IF THE FOLLOWING FRONT-TO-BACK ADJUSTMENT IS NECESSARY, BE SURE TO ADJUST BOTH FRONT LINKS EQUALLY SO MOWER WILL STAY LEVEL SIDE-TO-SIDE.

To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/4" 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.

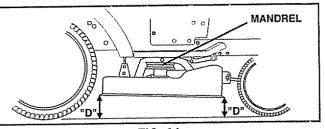


FIG. 21

#### TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 23)

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

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

**BELT INSTALLATION -**

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

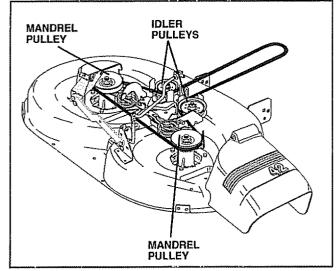


FIG. 23

#### TO ADJUST BRAKE (See Fig. 24)

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

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

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

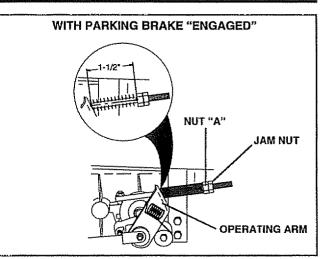


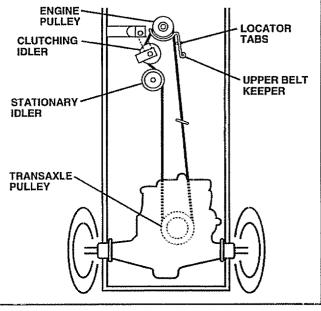
FIG. 24

#### TO REPLACE MOTION DRIVE BELT (See Fig. 25)

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

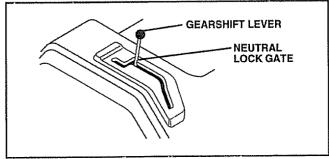
**IMPORTANT:** MAKE SURE UPPER BELT KEEPER IS POSITIONED PROPERLY BETWEEN LOCATOR TABS.



#### TRANSAXLE SHIFTER LINKAGE AND AD-JUSTMENT (See Figs. 26 and 27)

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

- Make sure transaxle is in neutral (N).
- Loosen two locknuts on tie rod.
- Turn center rod until gearshift lever falls into neutral lock gate on fender console.
- Tighten locknuts securely.





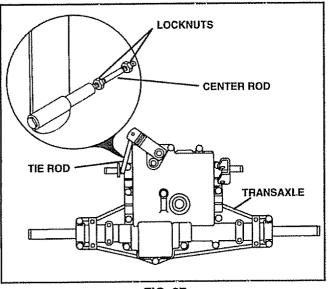


FIG. 27

#### 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. 28)

- 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.

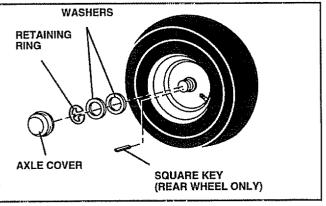


FIG. 28

## TO START ENGINE WITH A WEAK BATTERY (See Fig. 29)



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.

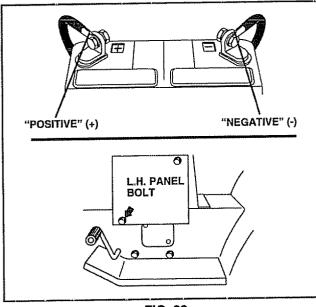


FIG. 29

#### 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. 30)

- 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.

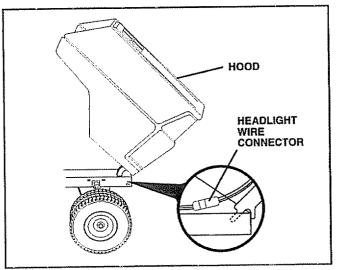


FIG. 30

#### ENGINE

## TO ADJUST THROTTLE CONTROL CABLE (See Fig. 31)

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:

- 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. 32)

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.

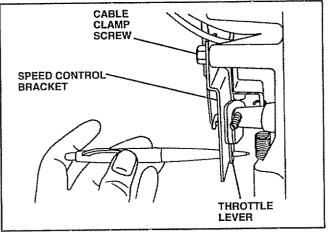
**NOTE:** The carburetor on this engine is low emission. It is equipped with an idle fuel adjusting needle with a limiter cap, which allows some adjustment within the limits allowed by the cap. Do not attempt to remove the limiter cap. The limiter cap cannot be removed without breaking the adjusting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

- Be sure you have a clean air filter and the throttle control cable is adjusted properly (see above).
- Start engine and allow to warm for five minutes. Make adjustments with engine running and shift/motion control lever in neutral (N) position.
- Idle fuel needle setting With throttle control lever in slow (-) position, turn idle fuel adjustment needle in (clockwise) until engine begins to die and then turn out (counterclockwise) until engine runs rough. Turn needle to a point midway between those two positions.
- Recheck idle speed. Readjust if necessary.

ACCELERATION TEST -

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.





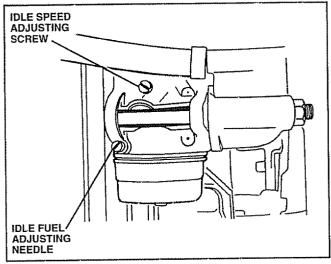


FIG. 32

## 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

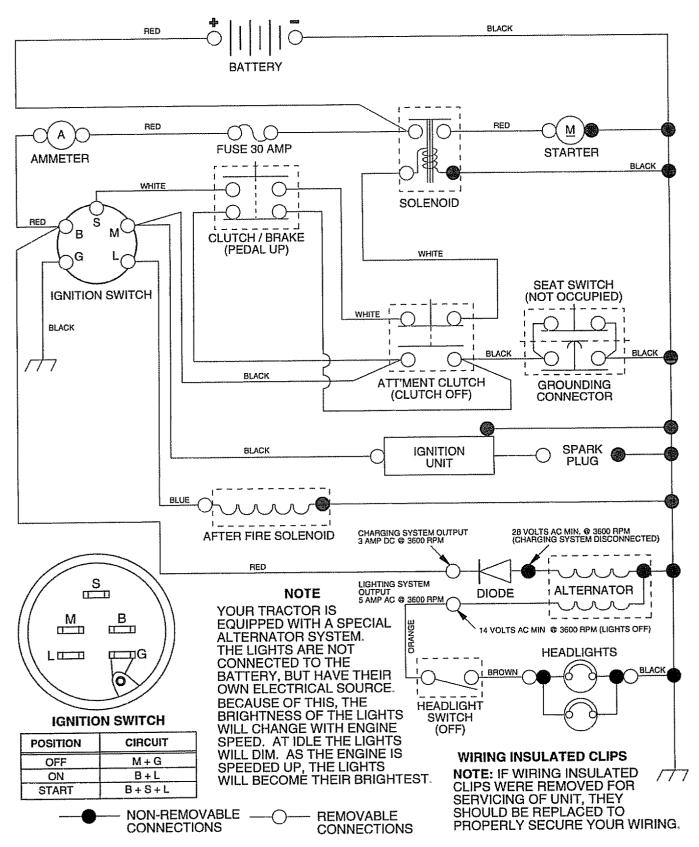
PROBLEM	CAUSE	CORRECTION			
Will not start	<ol> <li>Out of fuel.</li> <li>Engine not "CHOKED" properly.</li> <li>Engine flooded.</li> <li>Bad spark plug.</li> <li>Dirty air filter.</li> <li>Dirty fuel filter.</li> <li>Dirty fuel filter.</li> <li>Water in fuel.</li> <li>Loose or damaged wiring.</li> 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

## **TROUBLESHOOTING POINTS**

PROBLEM	CAUSE	CORRECTION
Engine continues to run when operator leaves seat with attachment clutch engaged		<ol> <li>Check wiring, switches and connections. If not corrected, contact an authorized service center/ department.</li> </ol>
Poor cut - uneven	<ol> <li>Worn, bent or loose blade.</li> <li>Mower deck not level.</li> <li>Buildup of grass, leaves, and trash under mower.</li> <li>Bent blade mandrel.</li> <li>Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.</li> </ol>	<ol> <li>Replace blade. Tighten blade bolt.</li> <li>Level mower deck.</li> <li>Clean underside of mower housing.</li> <li>Replace blade mandrel.</li> <li>Clean around mandrels to open vent holes.</li> </ol>
Mower blades will not rotate	<ol> <li>Obstruction in clutch mechanism.</li> <li>Wom/damaged mower drive belt.</li> <li>Frozen idler pulley.</li> <li>Frozen blade mandrel.</li> </ol>	<ol> <li>Remove obstruction.</li> <li>Replace mower drive belt.</li> <li>Replace idler pulley.</li> <li>Replace blade mandrel.</li> </ol>
Poor grass discharge	<ol> <li>Engine speed too slow.</li> <li>Travel speed too fast.</li> <li>Wet grass.</li> <li>Mower deck not level.</li> <li>Low/uneven tire air pressure.</li> <li>Wom, bent or loose blade.</li> <li>Buildup of grass, leaves and trash under mower.</li> <li>Mower drive belt worn.</li> <li>Blades improperly installed</li> <li>Improper blades used.</li> <li>Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.</li> </ol>	<ol> <li>Place throttle control in "FAST" position.</li> <li>Shift to slower speed.</li> <li>Allow grass to dry before mowing.</li> <li>Level mower deck.</li> <li>Check tires for proper air pressure.</li> <li>Replace/sharpen blade. Tighten blade bolt.</li> <li>Clean underside of mower housing.</li> <li>Replace mower drive belt.</li> <li>Reinstall blades sharp edge down.</li> <li>Replace with blades listed in this manual.</li> <li>Clean around mandrels to open vent holes.</li> </ol>
Headlight(s) not working (if so equipped)	<ol> <li>Switch is "OFF".</li> <li>Bulb(s) burned out.</li> <li>Faulty light switch.</li> <li>Loose or damaged wiring.</li> <li>Blown fuse.</li> </ol>	<ol> <li>Turn switch "ON".</li> <li>Replace bulb(s)</li> <li>Check/replace light switch.</li> <li>Check wiring and connections.</li> <li>Replace fuse.</li> </ol>
Battery will not charge	<ol> <li>Bad battery cell(s).</li> <li>Poor cable connections.</li> <li>Faulty regulator (if so equipped)</li> <li>Faulty alternator.</li> </ol>	<ol> <li>Replace battery.</li> <li>Check/clean all connections.</li> <li>Replace regulator.</li> <li>Replace alternator.</li> </ol>
Englne "backfires" when turning engine "OFF"	<ol> <li>Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.</li> </ol>	<ol> <li>Move throttle control to "SLOW" position and allow to Idle for 30 seconds before stopping engine.</li> </ol>

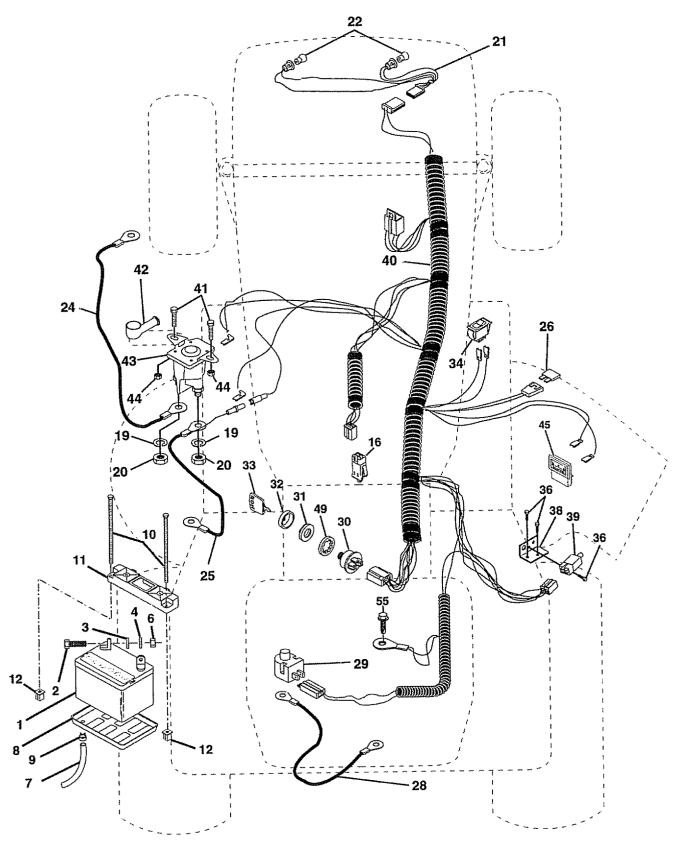
#### TRACTOR - - MODEL NUMBER 917.256582

#### SCHEMATIC



TRACTOR - - MODEL NUMBER 917.256582

ELECTRICAL



### **TRACTOR - - MODEL NUMBER 917.256582**

#### ELECTRICAL

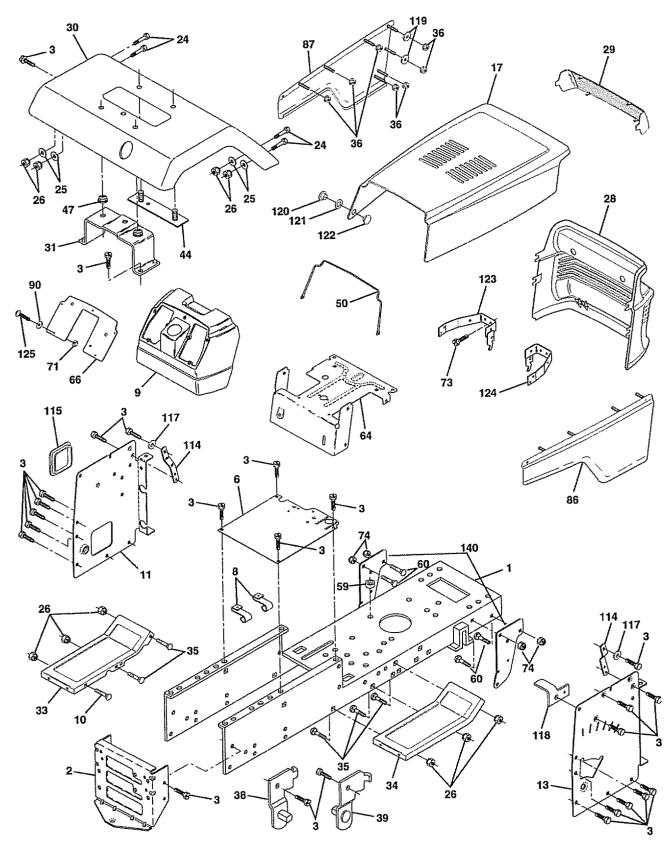
And Designation

KEY NO.	PART NO.	DESCRIPTION
19 20 21 22 24 25 26 28 29 30 31 32 33 46 38 39 41 42 43 44 45	153664 STD551125 73350400 136850 4152J 146148 146136 108824X 145491 121305X 144921 140400 141226 140403 110712X STD601005 140336 109553X 145489 71110408 131563	Battery Bolt, Hex 1/4-20 UNC x 3/4 Washer Nut Tube, Plastic Tray, Battery Clamp, Hose Bolt, Btr. Frt 1/4-20 x 7.5 Holddown Btr. Dash Nut, Push Nylon 1/4" Battery Switch Interlock Push-In Washer, Lock Nut, Hex, Jam 1/4-20 UNC Harness, Light Socket W/4152J Bulb, Light Cable, Battery Cable, Battery Cable Battery Fuse Cable, Ground Switch, Plunger Switch, Ignition Nut, Ignition Cover, Ignition Switch Key, Ignition Switch, Light Screw Bracket Swtich Interlock 94 Switch, Interloc Harness, Ignition Bolt Blk Fin Hex 1/4-20 UNC x 1/2 Cover, Terminal Solenoid Nut, Keps Blk Hex 1/4-20 UNC Ammeter Rectangular 16 Amp Washer Pinned Delta
55	17490508	Screw Thdrol 5/16-18 x 1/2 TYT

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

TRACTOR - - MODEL NUMBER 917.256582

CHASSIS AND ENCLOSURES



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### TRACTOR - - MODEL NUMBER 917.256582

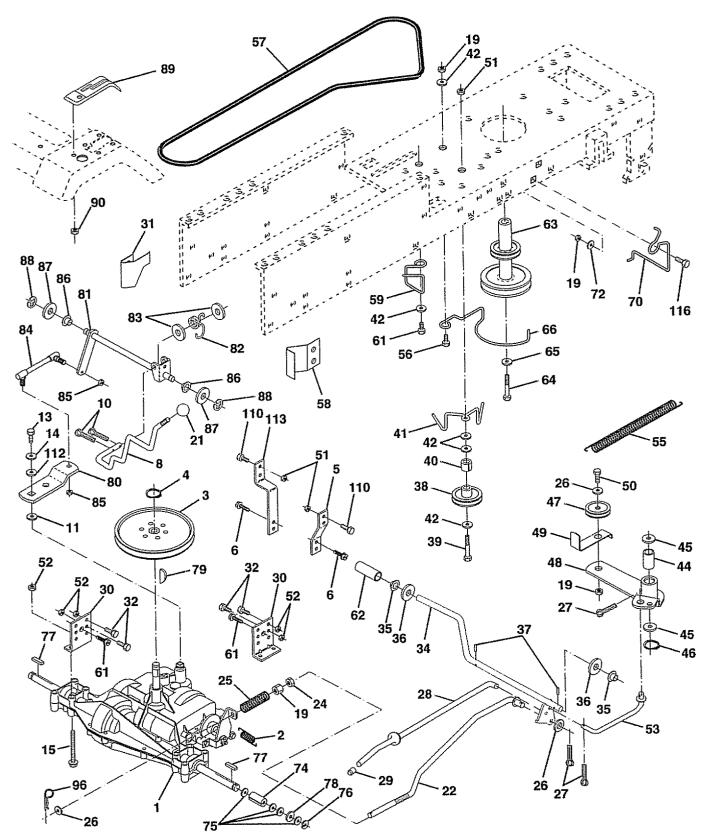
### CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION
1	151169	Chassis
2 3	140356 17490612	Drawbar Screw, Thdrol. 3/8-16 x 3/4 Type TT
6	145206	Saddle
8	126471X	Clip, Fuel Line
9 10	145203 STD533710	Dash, Plastic Bolt, Carriage 3/8-16 x 1
11	145218	Panel, Dash, LH
13	145217	Panel, Dash, RH
17 24	136673X558 STD523710	Hood Assembly Bolt
25	19131312	Washer 13/32 x 13/16 x 12 Gauge
26	STD541437	Nut
28 29	136373X428 136374	Grill Lens, Bar, Clear
30	140002X558	Fender
31	137113	Bracket Assembly, Fender
33 34	145244X558 145243X558	Footrest, LH Footrest, RH
35	STD533707	Bolt
36	108067X	Nut, Pal
38 39	139886 139887	Bracket Assembly, Pivot, LH Bracket Assembly, Pivot, RH
44	140675	Fender Strap
47	105531X	Nut, Push, Nylon
50 59	137304 110436X	Rod, Support Hood Bushing, Snap, Split
60	72140606	Bolt Rdhd Sqnk 3/8-16 Unc x 3/4
64	150272	Dash, Lower
66 71	140942X012 73640400	Plate, Dash Nut
73	17580408	Screw Tap Tite 1/4-20 x 1/2
74	STD541437	Nut Crownlock 3/8-16 Unc
86 87	136670X558 136671X558	Panel Assembly, RH Panel Assembly, LH
90	STD551025	Washer 17/64
114 115	145349	Bracket, Support, Dash Cover, Access
117	121794X 144283	Washer Serrated Disk 13/32 x 1
119	19092016	Washer 9/32 x 1-1/4 x 16 Ga.
120 121	137271 137269	Rivet, Ratchet, Female Washer, Nylon
122	137270	Rivet, Rachet, Male
123	154994	Bracket Weldment Pivot Hood LR
124	154992 74180412	Bracket Weldment Pivot Hood RH Screw, Machine 1/4-20 x 3/4
118	145595	Bracket, Clutch, Mech. Srs. Y 1 95
140	150556	Bracket Chassis Front 7 Ga.
ha +**	5479J	Plug Btn. Blk 359 Dia. Ch/Inf.

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

TRACTOR - - MODEL NUMBER 917.256582

DRIVE



### TRACTOR - - MODEL NUMBER 917.256582

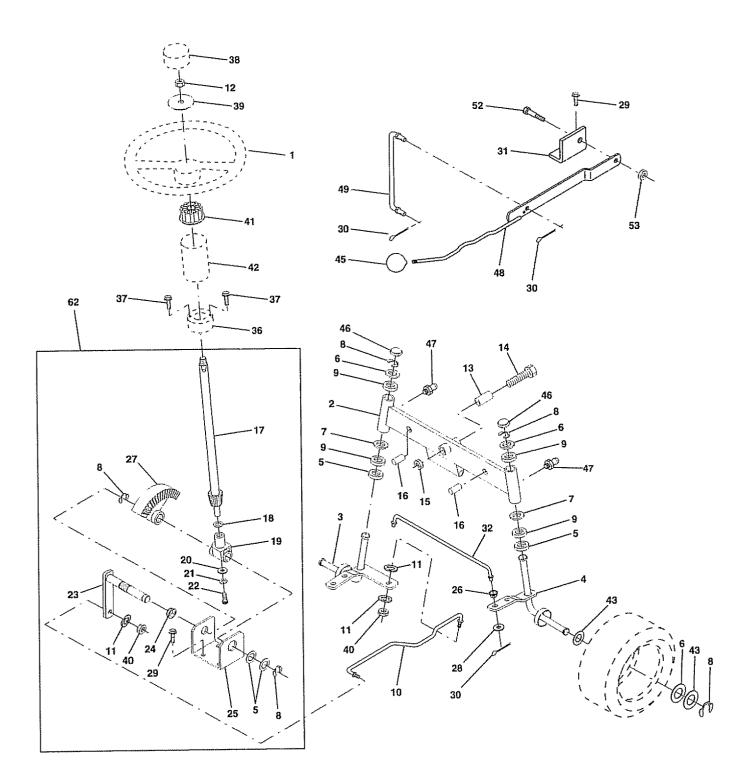
#### DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	145602	Transaxle, Peerless, 6 Speed, Model Number 930-057A	50 51	STD523715 STD541437	Bolt Nut Crown Lock 3/8-16 UNC
2	146682	Spring, Return, Brake	52	STD541431	Nut Crown Lock 5/16-18 UNC
З	123666X	Pulley, Transaxle		105710X	Link, Clutch
4	12000028	Ring, Retainer		105709X	Spring, Clutch Return
5	121520X	Strap, Torque	56	STD523712	Bolt Fin Hex 3/8-16 x 1-1/4
6 8	17490512 141002	Screw, Thd., Roll. 5/16-18 x 3/4 Lever, Shift		130801 127274X	V-Belt, Ground Drive
10	76020416	Pin, Cotter		140312	Keeper, Belt, R.H. Keeper, Belt, Center Span
11	105701X	Washer, Shift Plate	61	17490612	Screw, Thd., Roll. 3/8-16 x 3/4
13	74550412	Bolt 1/4-28 UNF W/Patch Grade 8		8883R	Cover, Pedal
14	STD551125	Washer	63	140186	Pulley, Engine
15	74490544	Bolt Hex Fighd 5/16-18 Gr. 5		M747810100	
19	STD541437	Nut		STD551143	Washer
21	106933X	Knob Dod Broka	66	129921 134683 19132012	Keeper, Belt, Engine, L.H.
22 24	130804 STD541237	Rod, Brake Nut	70 72	104000	Guide, Mower Drive Belt, R.H. Washer 13/32 x 1-1/4 x 12 Gauge
25	106888X	Spring, Brake Rod		137057	Spacer, Axle
26	STD551037	Washer		121749X	Washer 25/32 x 1-1/4 x 16 Gauge
27	STD561210	Pin		STD581075	E-Ring
28	145204	Rod, Parking Brake		123583X	Key, Šquare 2.0 x .1845/.1865
29	124236X	Cap, Parking Brake, Red	78	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
30	130807	Bracket, Transaxle		2228M	Key Woodruff #9 3/16 x 3/4
31	127275X	Keeper, Belt, L.H.	80	145090	Arm, Shift
32 34	STD523107 151128	Bolt Shaft Assembly, Foot Pedal	81 82	145092 123782X	Shaft Assembly
35	120183X	Bearing, Nylon		19171216	Spring, Torsion Washer 17/32 x 3/4 x 16 Gauge
36	STD551062	Washer		145643	Tie Rod
37	STD571810	Roll Pin		150360	Nut, Lock Center 1/4-28 FNTHD
38	123674X	Pulley, Idler, Flat	86	71208	Bushing, Pivot
39	STD523727	Bolt		19212016	Washer
40	4470J	Spacer, Split		12000008	E-Ring
41	153399	Keeper, Belt, Retainer	89	139991	Console, Shift, 6 Speed
42 44	19131312	Washer 13/32 x 13/16 x 12 Gauge Bearing, Nylon Washer Hardened	90	124346X STD624003	Nut, Self-Threading, Washer Hd 1/4
45	105706X 110812X	Washer, Hardened	110	74760612	Retainer Spring 1" Zinc Cad Bolt, Fin Hex 3/8-16 UNC x 3/4
46	12000039	Ring, Klip	110	19091210	Washer 9/32 x 3/4 x 10 Gauge
47	127783	Pulley, Idler, V-Groove, Plastic		127285X	Strap Torque LT
48	123789X	Bellcrank Assembly		72110610	Bolt Rdhd Sq Neck 3/8-16 x 1.25
49	123205X	Retainer, Belt	NOTE: All component dimensions given in U.S. inches		

1 inch = 25.4 mm

**TRACTOR - - MODEL NUMBER 917.256582** 

#### STEERING ASSEMBLY



### TRACTOR - - MODEL NUMBER 917.256582

#### STEERING ASSEMBLY

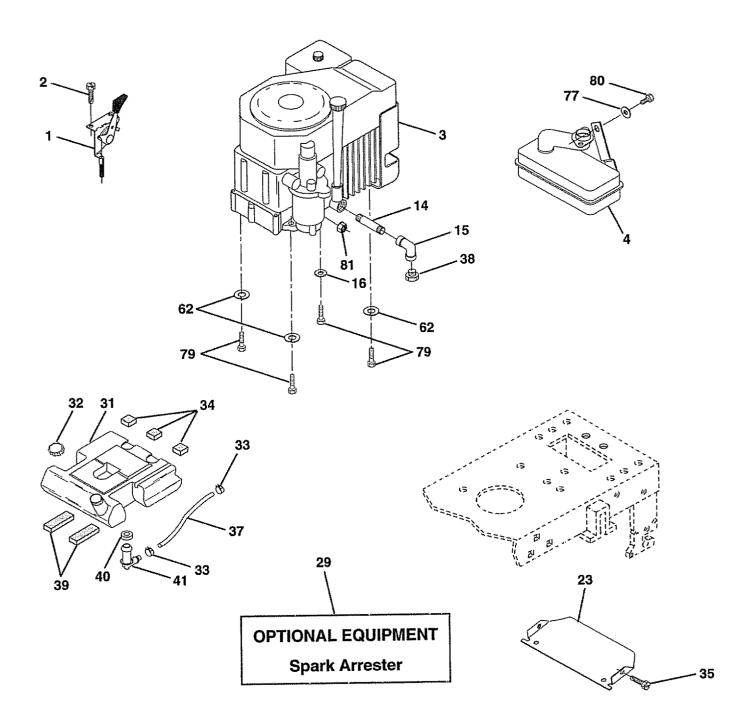
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KEY NO.	PART NO.	DESCRIPTION
1	121472X 142033	Steering Wheel Axle Assembly, Front
2 3	135227	Spindle Assembly, LH
4	135228	Spindle Assembly, RH
5	6266H	Bearing, Race, Thrust, Hardened
6 7	121748X	Washer 25/32 x 1-5/8 x 16 Gauge Washer 27/32 x 1-1/4 x 16 Gauge
8	19272016 12000029	Ring, Klip
9	3366R	Bearing
10	130468	Link, Drag
11	STD551137	Washer, Lock Nut
12 13	STD541350 110438X	Spacer, Bearing, Front Axle
14	74011056	Bolt, Hex 5/8-11 Unc x 3-1/2
15	73901000	Locknut, Hex, Jam, w/Washer Insert
16	100604	5/8-11 UNC Pin, Axle, Large 5/8 x 1.55/1.54
17	132624 128758	Shaft Assembly, Steering
18	57079	Washer, Thrust _515 x .750 x .033
19	124035X	Support, Shaft
20 21	126684X STD551125	Washer, Shim 1/4 x 5/8 x .062 Washer
22	71100410	Screw, Cap Socket Head Phos & Oil
23	127501	Shaft Assembly, Pittman
24	109816X	Nyliner, Snap-In
25 26	124036X 126847X	Bracket, Steering Bushing Link Drag Blk.
27	136874	Gear, Sector
28	19131416	Washer 13/32 x 7/8 x 16 Ga.
29	17490612	Screw, Thdrol 3/8-16 x 3/4
30 31	STD561210 138171	Pin Cotter 1/8 x 3/4 Cad. Bracket, Pvt. Man. Cl. Lvr. V2 Sears
32	130465	Tie Rod
36	145207	Bushing, Steering
37	152927	Screw TT #10-32 5 3/8 Flange
38 39	126805X 100712K	Insert, Cap, Steering Wheel Washer .53 x 2.25 x .160
40	STD541537	Nut, Lock Center 3/8-24 Unf
41	100711L	Adapter, Steering Wheel
42	140216	Column, Steering Washer 25/32 x 1-1/4 x 16 Gauge
43 45	121749X 106933X	Knob, Custom Rd
46	121232X	Cap, Spindle
47	6855M	Fitting, Grease
48 49	146841 131291	Lever Asm. Clutch Mwr Srs. YT GE Link Clutch w/Nibs 5.688 Zinc
49 52	106451X	Bolt, Shoulder 3/8-16 UNC Gr.2
53	73680600	Nut Crownlock 3/8-16 UNC
62	149682	Kit, Steering Assembly
NO		pent dimensions given in LLS inches

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

TRACTOR - - MODEL NUMBER 917.256582

#### ENGINE



## TRACTOR - - MODEL NUMBER 917.256582

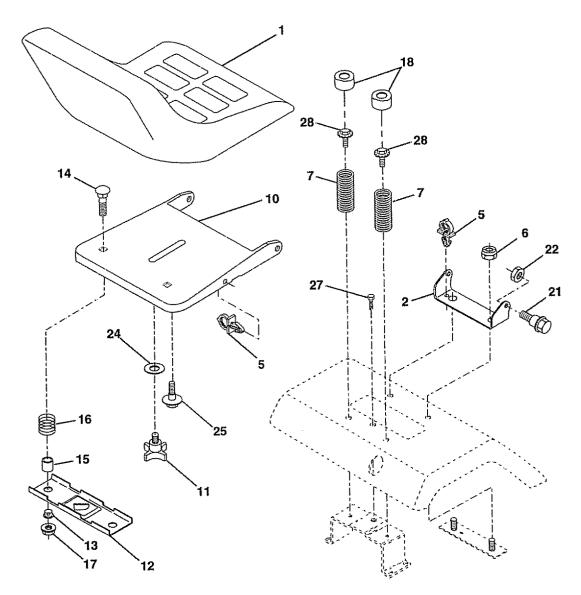
ENGINE

KEY NO.		DESCRIPTION
1 2	134265 17720410	Control, Throttle Screw, Hex Head, Thread Cutting 1/4-20 x 5/8
3	140846	Engine Kohl 15.5 HP Cmnd 1.5&3 Model No. CV15S Type No PS-41508
23 29 31 32 33 34 35	STD551231 150554	Muffler Nipple, Pipe 3/8 NPT x 3-1/2 Elbow, Standard 90°, 3/8-18 NPT Lockwasher 5/16 Shield, Heat Arrestor, Spark Tank, Fuel Cap Assembly, Fuel Tank, w/Gauge Clamp, Hose Pad Spacer 1 x 1 x 1 Blk. Screw Thdrol 5/16-18 x 3/4 Tyt Line, Fuel Plug, Oil Drain (Order From Engine Manufacturer)
79	109227X 3645J 139277 STD551131 19101216 M740108025 74760508 128861	Pad Idler 1.75 x .75 x .06 Bushing Stem, Tank, Fuel Lockwasher 5/16 Washer 5/16 x 3/4 x 16 Ga

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

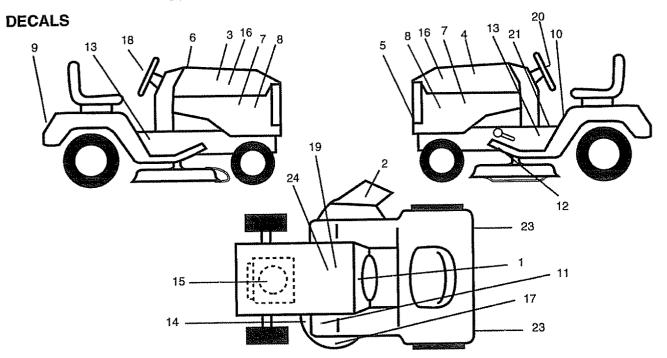
TRACTOR - - MODEL NUMBER 917.256582

SEAT ASSEMBLY



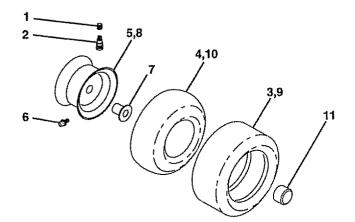
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 5 6 7 10 11 12 13 14 5	140123 140551 145006 STD541437 124181X 140552 120068X 121246X 121246X 121248X 72050411 134300	Seat Bracket, Pivot, Seat Clip Push-In Nut Spring, Seat Pan, Seat Knob, Seat Bracket, Switch Mounting Bushing, Snap, Nylon Bolt, Carriage 1/4-20 x 1-3/8 Spacer, Split	16 17 18 21 22 24 25 27 28 NOT	121250X 123976X 124238X 153236 STD541431 19171912 127018X 17490608 150176 <b>E:</b> All compor 1 inch = 25	Spring Nut, Flangelock 1/4 Grade 5 Cap, Spring, Seat Bolt, Shoulder 5/16-18 UNC-2A Nut Washer 17/32 x 1-3/16 x 12 Gauge Bolt, Shoulder 5/16-18 x .62 Screw Thdrol. 3/8-16 x 1/2 Bolt 5/16-18 UNC x 3/4 w/Sems hent dimensions given in U.S. inches

TRACTOR - - MODEL NUMBER 917.256582



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11 12 3 13	138955 151302 146705 146706 151400 133644 138048 142241 146709 137537 4900J 146046 147139	Decal, Operating Instruction Decal, Deck Mower EZ3 Polo Decal, Hood, Craftsman, RH Decal, Hood, Craftsman, LH Decal, Grille Decal, Grille Decal, Maintenance Decal, Side Panel Decal, Pnl, Side Kohler Command Decal, Pnl, Side Kohler Command Decal, Fender, Craftsman Decal, Fender, Craftsman Decal, Clutch/Brake Decal, V-Belt Drive Schematic Decal, Chassis 42 6Sp Polo Srs.	14 15 16 17 18 19 20 21 23 24	136832 12-113-55 151708 133179 146710 138047 150333 140837 106202X 149516 138311 145247 145245 155172 155173	Decal, V-Belt Schematic Decal, Kohl. 15.5 Cmd-L Sears Decal Ins. Hood Decal, Mower Q-C System Decal, Insert Strg Decal, Battery Decal, Cap Cnsmr Help Line Srs. Decal Brake Parking Saddle Reflector, Taillight Decal, Battery Danger/Poison Eng Acme Decal, Handle Lift Height Adj. Fastener Pop-In Footrest Decal, Pad Footrest Manual, Owner's (Eng) Manual, Owners (Span)

**WHEELS & TIRES** 

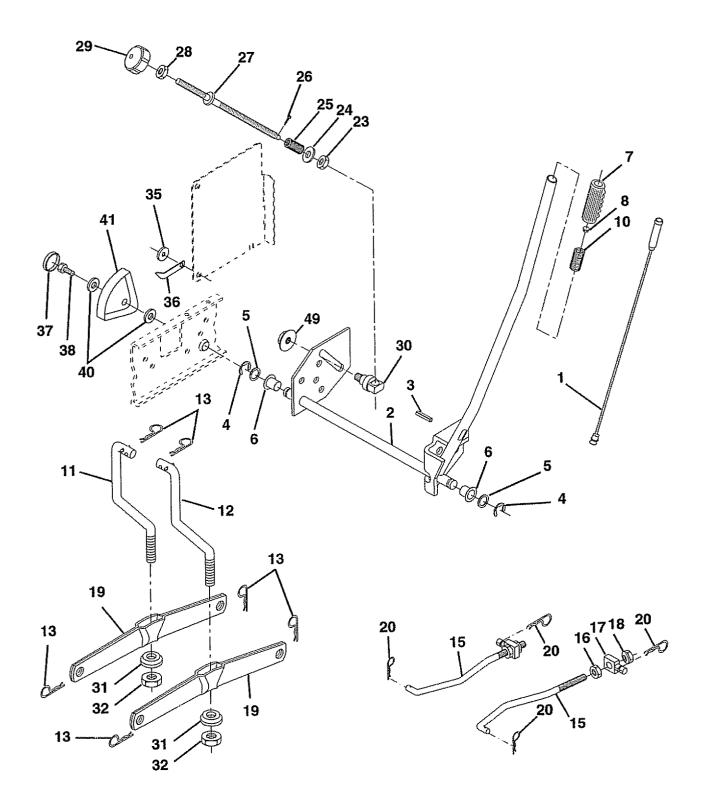


KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11	59192 65139 106222X 59904 106732X427 278H 9040H 106108X427 122082X 7152J 104757X 144334	Cap, Valve, Tire Stem, Valve Tire, Front Tube, Front (Service Item Only) Rim Assembly, Front Fitting, Grease (Front Wheel Only) Bearing, Flange (Front Wheel Only) Rim Assembly, Rear Tire, Rear Tube, Rear (Service Item Only) Cap, Axle Sealant, Tire (10 oz. Tube)
		the strength of the strength o

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

TRACTOR - - MODEL NUMBER 917.256582

#### MOWER LIFT



TRACTOR - - MODEL NUMBER 917.256582

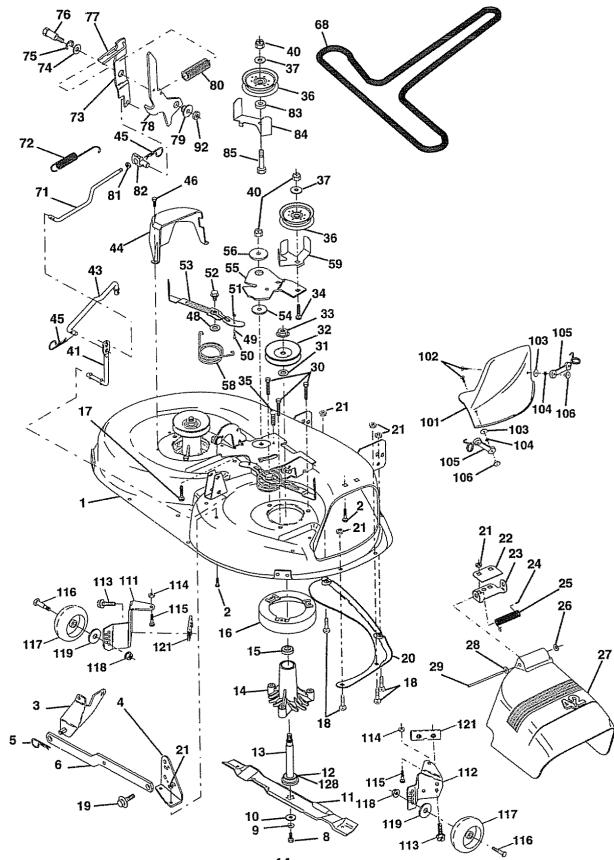
**MOWER LIFT** 

KEY NO.	PART NO.	DESCRIPTION
10 11 12 13 15 16 17 18 19 23 24 26 27 8 9 31 32 5 36 37	130171 73800800 139868 STD624008 110807X 19131016 137150 76020308 137167 73350600 138057 150233 140302 73540600 120529X 123933X505 123935X 17490512 19112410 123934X	Wire Asm., Inner w/plunger Shaft Asm Lift Pin Groove E Ring #5133-62 Washer 21/32 X 1 X 21 Ga Bearing Nylon Grip Handle Fluted Button, Plunger Spring Cprsn Link Lift Lh Link Lift Rh Retainer Spring Link Front Nut Jam Hex 1/2-13 Unc Trunnion Blk Zinc Nut Lock W/Wsh 1/2-13 Unc Arm Suspension Rear Spring Retainer Nut Special Washer 13/32 X 5/8 X 16 Ga Spring" Pin Cotter 3/32 x 1/2 Rod Adjust Lift Nut Hex Jam 3/8-16 Unc Knob Infinite 3/8-16 Unc Black Trunnion Dp Stop Dbl Thds Plt Bearing Pvt. Lift Spherical Nut, Crownlock 3/8-24 Washer, Nylon .44 x .75 x .032 Pointer, Height Indicator Plug, Hole Screw Thdrol 5/16-18 x 3/4 Washer 11/32 x 1-1/2 x 10 Gauge Scale, Height Indicator Nut Hex Flange Lock

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

**TRACTOR - - MODEL NUMBER 917.256582** 

**MOWER DECK** 



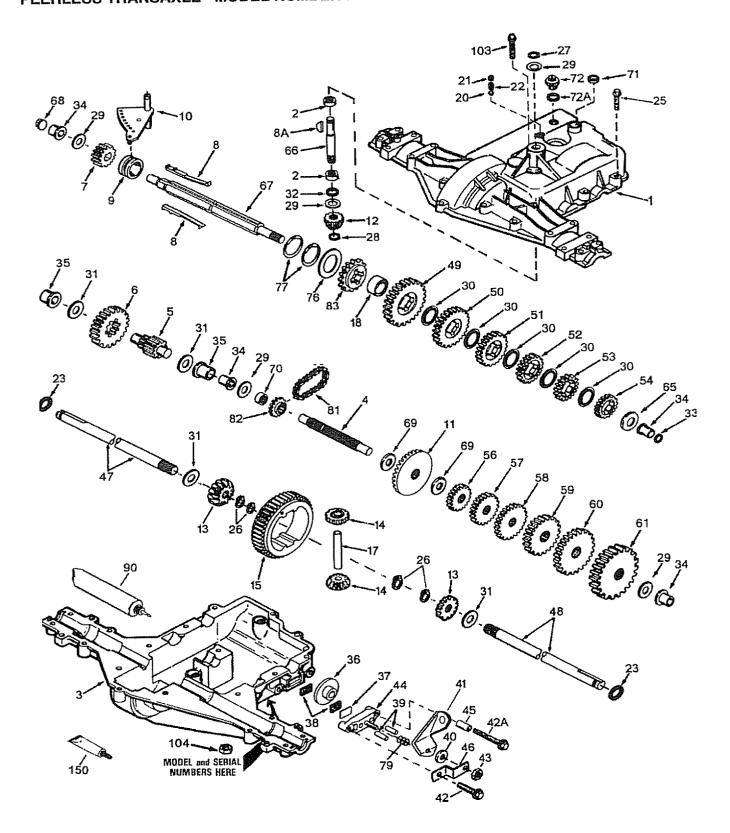
TRACTOR - - MODEL NUMBER 917.256582

#### **MOWER DECK**

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
4	144202	Mower Deck Assembly, 42"	54	133943	Washer, Hardened
1	144393 STD533107	Bolt		140084	Arm, Idler
3	138017	Bracket Asm Fr. Sway Bar		122052X	Spacer, Retainer
4	138440	Bracket Asm Deck 42" Sway Bar		140086	Spring, Torsion, Brake
5	STD624008	Retainer Spring	59	141043	Guard, Idler
6	130832	Arm, Suspension, Rear		144200	V-Belt, 42" Mower
8	850857	Bolt 3/8-24 x 1.25 Grade 8	71	142427	Rod, Clutch, Primary
9	STD551137	Washer, Lock	72	146927	Spring, Extension, Return
1Ŏ	140296	Washer Hardened	73	127847	Arm, Clutch, Secondary
11	134149	Blade, Mulching, 42" Mower Deck	74	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
12	129895	Bearing, Ball	75	12000029	Ring, Klip
13	137645	Shaft Assembly, Mandrel, Vented	76	128903	Bolt, Shoulder 3/8-16 UNC x 1.44
		(Includes Key Number 12)	- 11	127845	Keeper, Spring
14	128774	Housing, Mandrel, Vented		140333	Arm, Clutch, Primary
15	110485X	Bearing, Ball, Mandrel		127498	Bushing, Large, Brass
16	140329	Stripper, Vented Mower Deck		153701	Spring, Mower Clutch
17	72110610	Bolt, Carriage 3/8-16 x 2-1/4		73350600	Nut, Hex, Jam 3/8-16
18	72140505	Bolt, Carriage 5/16-18 x 5/8		142028	Trunnion
19	132827	Bolt, Shoulder		120958X	Washer Sintered
20	136888	Baffle, Vortex		144394	Keeper, Belt Idler Fixed
21	STD541431	Nut Crownlock 5/16-18	85	72140618	Bolt, RdHd Sqnk 3/8-16 x 2-1/4
22	134753	Stiffener Bracket		070 <i>-444</i> 07	Gr. 5
23	131267	Bracket, Deflector		STD541437	Locknut, Hex W/Wash Insert
24	105304X	Cap, Sleeve		136420	Mulcher cover
25	123713X	Spring, Torsion, Deflector		71161010	Screw
26	110452X	Nut, Push		19061216	Washer #10
27	130968	Shield, Deflector	104	STD551110	Washer, Lock
28	19111016	Washer 11/32 x 5/8 x 16 Gauge	100	130758	Latch Assembly, Bagger
29	131491	Rod, Hinge Bolt 5/16-18 x 1.25 Washer, Spacer Pulley, Mandrel Nut, Flanged, Toplock 9/16 Bolt	100	2029J	Nut, Weld Breaket, Course, Mihaol I, H
30	138776	Bolt 5/16-18 x 1.25	111	140353	Bracket, Gauge, Wheel L.H. Bracket, Gauge, Wheel R.H.
31	129963	Washer, Spacer	112	132262 17490512	Screw, Thdrol 5/16 -18 x 3/4
32	153535	Pulley, Mandrei	113		Nut, Hex Keps 5/16-18 UNC
33	137266	Nut, Flanged, Toplock 9/16	1 1 4	73510500 72110504	Bolt, Carriage 5/16UNC x 1/2
34	STD533717		110	137644	Bolt, Shoulder
35	133835	Fastner, Christmas Tree	4477	122057	Wheel, Gauge
36	131494	Pulley, Idler, Flat Washer 13/32 x 13/16 x 16 Gauge Nut, Crownlock Rod, Pivot, with Nibs	119	73030600	Nut, Centerlock 3/8-16
37	STD551037	Washer 13/32 X 13/10 X 10 Gauge	110	STD551037	Washer 3/8 x 7/8 x 14 Ga.
40	STD541437	NUT, CTOWNIOCK	101	1/12723	Bracket, Extruded Gauge Wheel
41	133551	Rod, Pivot, with Nibs Rod, Clutch, Secondary, with Nibs	128	153390	Washer, Felt
43	140083	Aug. Clubin, Secondary, With Nos		130794	Mandrel Assembly (Includes Key
44	140088	Guard, Mandrel, LH		100104	Numbers 8-10, 12-15, 31, 33 and
45	STD624003	Retainer Screw, Hex Hd, Thdcut 1/4-20 x 5/8			128)
46	137729	Washer, Hardened		145411	Mower Deck, Complete
48 49	133944	Roller Assembly, Cam Follower			(Standard Deck; Order Mulcher
49 50	133940	Bolt, Shloulder #10-24 Grade 5			Plate and Gauge Wheel
	131340 STD541410	Locknut			Components Separately - Key
51	139888	Bolt, Shoulder 5/16-18 UNC			Nos. 101-106, 111-119, and 121)
52 53	131845	Arm Assembly, Pad, Brake	NOT		nent dimensions given in U.S. inches
00	101040	a state a serveral levela by a server and an every	1101	1  inch = 2	

1 inch = 25.4 mm

TRACTOR - - MODEL NUMBER 917.256582 PEERLESS TRANSAXLE - MODEL NUMBER P930-057A

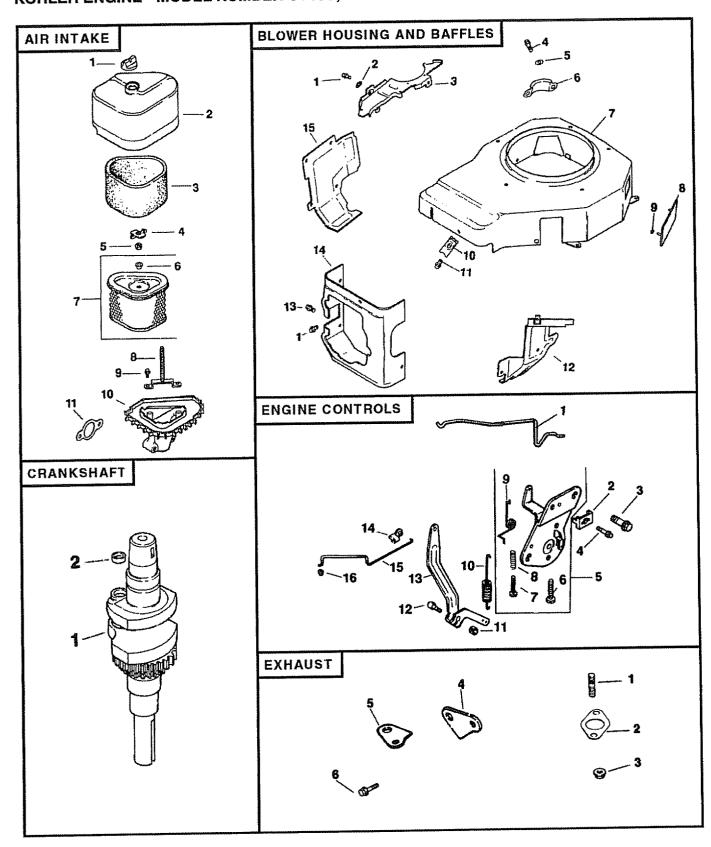


### TRACTOR - - MODEL NUMBER 917.256582

#### PEERLESS TRANSAXLE - MODEL NUMBER P930-057A

REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
1	772108A	Cover, Transaxle	43	792075	Locknut 5/16-24
2	780086	Bearing, Needle	44	790025	Holder, Brake Pad
3	770102A	Case, Transaxle		786066 786086	Spacer Bracket, Brake Lever
4 5	776260 776219B	Shaft, Counter Shaft and Pinion Assembly, Output		774690	Axle 11-5/16" long
6	778139	Gear, Output, 35 Teeth		774691	Axle 16-1/2" long
7	778136	Gear, Spur, 15 Teeth, Steel		778215	Gear, Spur, 37 Teeth, Steel (1-)
	792136A	Key, Shift	50	778125	Gear, Spur, 35 Teeth (2-)
8A	792047	Key, Woodruff	51	778124A	Gear, Spur, 30 Teeth (3)
9	784352	Collar, Shifter	52	778123A	Gear, Spur, 25 Teeth (4-)
10	784355	Rod and Fork Assembly, Shift	53	778122A	Gear, Spur, 22 Teeth (5-)
11 12	778229 778113A	Gear, Bevel, 42 Teeth	54 56	778273 778230	Gear, Spur, 19 Teeth, Steel (6) Gear, Spur, 12 Teeth, Steel (1)
13	778221	Bevel Pinion, Input Gear, Bevel, 16 Teeth	50	778151	Gear, Spur, 15 Teeth (2-)
14	778068	Gear, Bevel Pinion	58	778126A	Gear, Spur, 20 Teeth (3-)
15	778260	Gear, Ring		778127A	Gear, Spur, 25 Teeth (4-)
17	786139	Pin, Drive	60	778128A	Gear, Spur, 28 Teeth (5)
18	786102	Spacer, Neutral		778163	Gear, Spur, 31 Teeth (6-)
	792077	Ball, Steel 5/16" diameter		780109	Washer, Thrust
21	792078	Set Screw 3/8-16 x 3/8		776135	Shaft, Input
22 23	792079 788061	Spring Bing Soal		776315A 786116A	Shaft, Brake, 4 Keyed Plug
25	792073	Ring, Seal Screw, Flanged Hex Head, Thread		780051	Washer, Thrust
20	102010	Forming 1/4-20 x 1-1/4		786118	Spacer
26	792125	Ring, Retainer		788069	Square Cut Ring
		(4 Required, Package of 2)		792165	Plug, Threaded 9/16-18
27	792035	Ring, Retainer		788091	"O" Ring
28	788040	Ring, Retainer		780090	Washer, Thrust
29 30	780072 780108	Washer, Thrust	77	788078A	Ring, Retaining, Inverted (Package of 2)
31	780001	Washer, Thrust Washer	79	792144	Spring, Brake
32	792001	"O" Ring	81	786081	Chain, Roller
33	788095	Seal, Square Cut			(Number 41 Chain, 24 Links)
34	780105A	Bushing, Flanged		786082	Sprocket, 9 Teeth (Reverse)
35	780118A	Bushing, Flanged		786123	Sprocket, 18 Teeth (Reverse)
36	790003	Disk, Brake		788067B	Grease, Bentonite, 32 Ounce Bottle
37	790007	Plate, Brake Pad		792166 792167	Screw 1/4-20 x 2 Locknut 1/4-20
38 39	799021 786026	Pad, Brake (Package of 2) Pin, Dowel		510334	Gasket Eliminator (Loctite #515)
3 <del>9</del> 40	792076A	Washer, Flat	100	010007	additer Emminator (Loomo no roy
41	790079	Lever, Brake	NOT	E: All compon	ent dimensions given in U.S. inches
42	792073	Screw, Flanged Hex Head, Thread		1 inch = 25.	
		Forming 1/4-20 x 1-1/4			
42A	792085A	Screw 1/4-20 x 2-1/4	Parts	s must be order	red from Tecumseh Products Co.

### REPAIR PARTS TRACTOR - - MODEL NUMBER 917.256582 KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508



TRACTOR - - MODEL NUMBER 917.256582

KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508

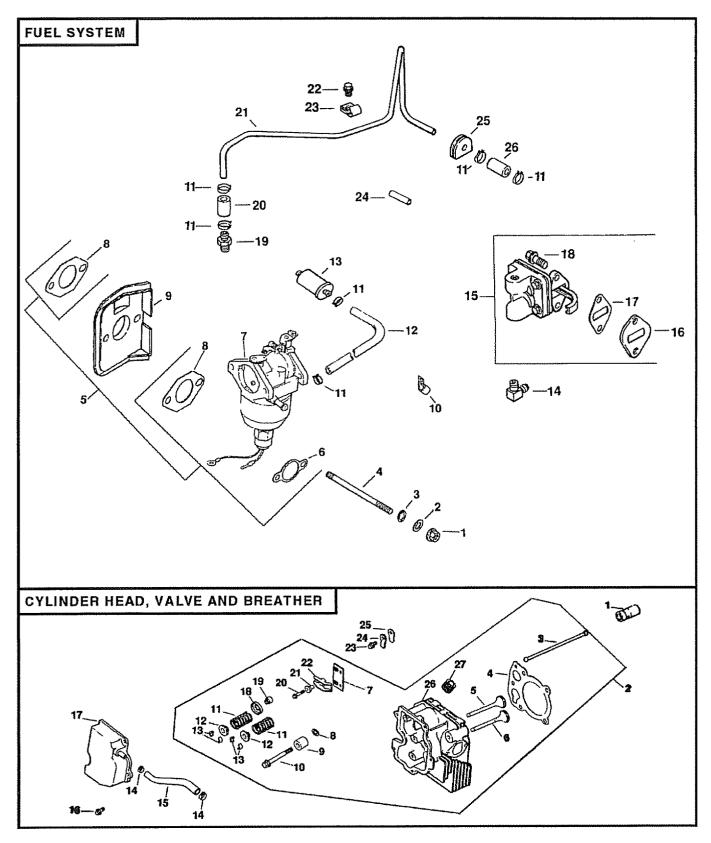
#### **AIR INTAKE**

#### ENGINE CONTROLS

<i>P</i> 3011 11					
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2 3 4	25 341 02 12 096 24 12 083 08	Knob, Air Cleaner Cover Cover, Air Cleaner Precleaner Element	1 2 3	12 079 07 12 237 01 M-0664020	Linkage, Choke Clamp, Cable Screw, Locked Socket M6 x 1.0 x 20 (2)
5 6	12 100 01 X-25-63 12 313 04	Wing Nut Washer, Plain 1/4 Grommet Element, Air Cleaner	4 5	M-0545016 12 536 09	Screw, Hex Flange M5 x .8 x 16 Control, Speed Assembly (Includes Key Numbers 6 through 9)
7 8 9 10 11	12 083 05 12 072 03 12 086 01 12 094 01 12 041 02	Stud, M6 x 1.0 x 75 Screw, #10 Hi-Lo Thread Forming Base, Air Cleaner Gasket, Air Cleaner	6 7 8 9 10	M-0443020 SM-0443025 12 089 11 12 089 23 12 089 24	Screw, Panhead, M4 x 0.7 x 20 Screw, Pan Head M4 x 0.7 x 25 Spring, Choke Adjust (2) Spring, Choke Return Spring, Governor
	ILLUSTRATED 12 113 53	Decal, Air Cleaner	14	M-0641060 SM-0642025 12 090 05 25 158 11 12 079 01	Nut, Hex Flange M6 x 1.0 Screw, Hex Flange, M6 x 1.0 x 25 Lever, Governor Bushing, Throttle Linkage Linkage, Throttle
CRA	NKSHAFT		15 16	25 158 08	Bushing, Linkage, Retaining
	PART NO.	DESCRIPTION	EXH	AUST	
1 2	12 014 29 12 139 01	Crankshaft Plug, Cup		PART NO.	DESCRIPTION
BLO	WER HOUSING	AND BAFFLES	1	M-0829033 12 041 03	Stud, M8 x 1.25 x 33 (2) Gasket, Exhaust Manifold
KEY NO.	PART NO.	DESCRIPTION	3 4 5	M-0841080 12 126 11 12 445 06	Nut, Hex Flange, M8 x 1.25 (2) Bracket, Muffler Strap, Lifting
1	M-0545010	Screw, Hex Flange M5 x 0.8 x 10 (8)	6	M-0645025	Screw, Hex Flange M6 x 1.0 x 25 (2)
2 3 4	24 468 10 12 146 07 M-0645020	Washer, Plain 1/4 Plate, Blower Housing Screw, Hex Flange, M6 x 1.0 x 20	NOT		
4 5 7 8	2 205 34 12 027 32 12 096 28	Washer, Plain 5/16 Housing, Blower Cover		Y PART NO.	DESCRIPTION
9 10 11	12 141 01 25 154 02 M-0545020	Ring, Retainer (2) Clip, Mounting (3) Screw, Hex Flange		12 522 17 12 755 01	Short Block Gasket Set
12 13	12 063 05 M-0645016	M5 x 0.8 x 20 (3) Baffle, Carburetor Screw, Hex Flange, M6 x 1.0 x 20		RPM Settings:	Low Speed: 1500-2000 High Speed: 3200-3400
14 15	12 063 08 12 063 01	Baffle, Cylinder Head Baffle, Cylinder	NO.	TE: All compone 1 inch = 25.4	nt dimensions given in U.S. inches I mm

TRACTOR - - MODEL NUMBER 917.256582

KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508



TRACTOR - - MODEL NUMBER 917.256582

## KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508

#### FUEL SYSTEM

### CYLINDER HEAD, VALVE AND BREATHER

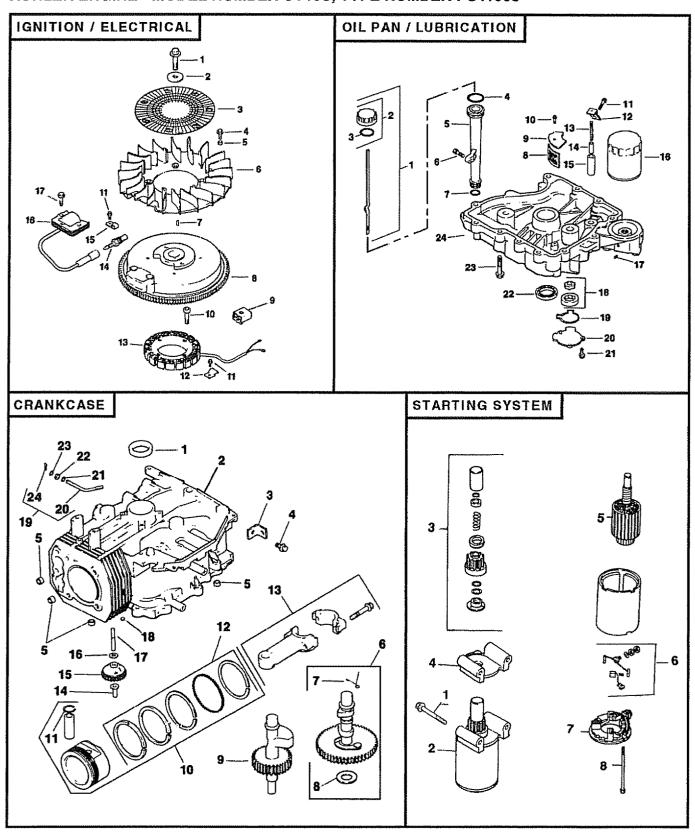
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
5	12 853 68	Kit, Carburetor (Includes Key Numbers 2 through 4)	1 2	12 351 01 12 755 60	Lifter, Valve (2) Kit, Cylinder Head
6 7	12 041 02 12 053 68	Gasket, Air Cleaner Carburetor Assembly	3 4 5	12 411 01 12 041 10 12 017 01	Rod, Push (2) Gasket, Cylinder Head Valve, Intake, Standard Size
o	12 041 01	(For Information Only - Not Available Separately) Gasket, Carburetor (2)	6	12 017 02 12 016 01	Valve, Intake, .25" Oversize Valve, Exhaust, Standard Valve, Exhaust, .25" Oversize
8 9 14	12 265 04 25 155 02	Deflector, Heat Connector, Hose, 90	7 8	12 016 02 12 146 13 12 468 05	Plate, Guide Washer, Plain 13/32
15 16	12 559 01 12 112 05	Kit, Fuel Pump (Includes Key Numbers 16 and 18) Spacer, Fuel Pump	9 10	12 112 13 12 086 15	Spacer, Head Bolt Exhaust Port Screw, Hex Flange M10 x 1.5 x 81 (5)
18	M-0645020	Screw, Hex Flange M6 x 1.0 x 20 (2)	11 12	12 089 01 12 173 01	Spring, Valve (2) Cap, Valve Spring (2)
17 11	25 041 09 X-426-9	Gasket, Fuel Pump Clamp, Hose (6) Fuel Line, Flexible, 12"	13 14	12 755 03 X-426-9	Kit, Retainer (2) Clamp, Hose (2)
12 10 13	52 353 22 47 154 01 25 050 02	Clip, Cable Filter, Fuel	15 16	12 326 03 M-0645020	Hose, Breather Screw, Hex Flange M6 x 1 0 x 20 (5)
19 20	X-380-1 12 353 01	Connector, Hose Line, Fuel, Rubber, 1-1/4" (2) Line, Fuel, Metal	17 18	12 096 07 235011	Cover, Valve with Nipple Retainer, Spring
21 23 22	12 123 19 12 154 01 M-0545010	Clamp, Fuel Line Screw, Hex Flange, M5 x 0.8 x 10	19 20 21	24 032 05 M-0640034 24 194 01	Seal, Valve Stem (2) Screw, Hex Flange M6 x 1 x 34 (2) Pivot, Rocker Arm (2)
25 26	12 313 01 12 353 10	Grommet, Fuel Line Line Fuel, 2 1/2 Sleeve, Insulating	22 23		Arm, Rocker (2) Screw, Hex Flange
24 1 2	12 431 01 M-0641060 X-25-63	Nut, Hex Flange M6 x 1.0 (2) Washer, Plain 1/4	24 25		M5 x 0.8 x 10 Retainer, Breather Reed Reed, Breather
3 4	X-22-11 M-0629122	Washer, Lock 1/4 Stud, M6 x 1.0 x 122 (2)	26 27		Head, Cylinder Plug, Pipe, Allen Head 1/8

NOT ILLUSTRATED

ILLUSTRATED 12 518 05	Lead, Solenoid, Black, 5", 14 Gauge, Uninsulated Push-On Tabs
 12 041 01	Gasket, Carburetor

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

TRACTOR - - MODEL NUMBER 917.256582 KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508



## TRACTOR - - MODEL NUMBER 917.256582

## KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508

#### IGNITION / ELECTRICAL

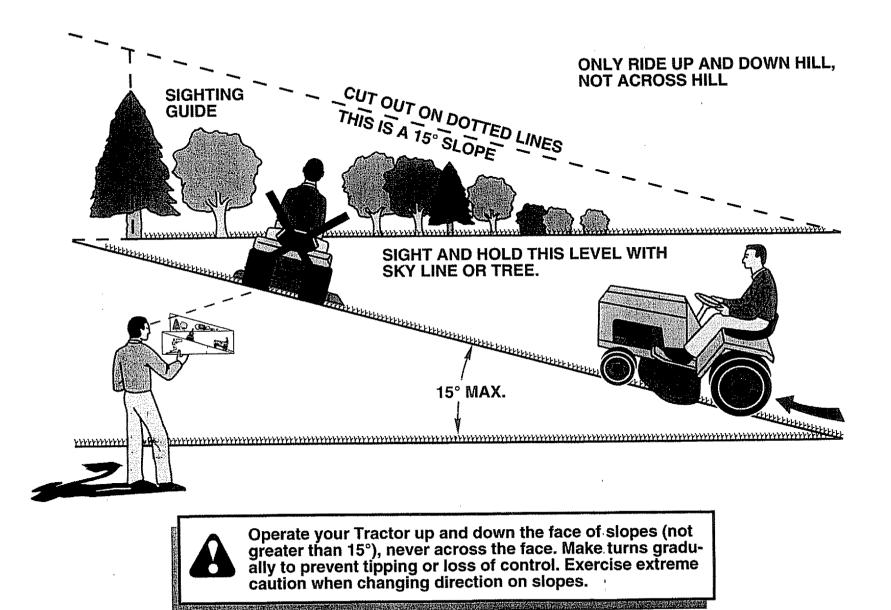
#### CRANKCASE

IGNIT	IGNITION / ELECTRICAL			CHANKOAGE			
KEY NO.	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION		
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14		Screw, Hex Flange M10 x 1.5 x 46 Washer Screen, Grass Screw, Hex Flange M6 x 1 x 13 (4) Spacer, Fan (4) Fan Key Flywheel Assembly (4 Contact) Connector Screw, Hex Cap M5 x 0.8 x 25 (2) Screw, Hex Flange M5 x 0.8 x 10 (2) Clip, Stator Harness Stator Assembly Spark Plug Clip, Cable Module, Ignition Screw, Hex Flange	NO. 1 2 3 4 5 6 7 8 9	NO. 12 032 03 12 522 18 12 445 02 M-0839025 12 380 03 12 755 49 12 089 18 12 422 08 12 422 09 12 422 10 12 422 10 12 422 12 12 422 12 12 422 13 12 422 07 12 144 27 12 874 07 12 874 09 12 018 02 12 108 07	Seal, Crankshaft Block, Cylinder (Use Short Block) Strap, Lifting Screw, Hex Flange M8 x 1.25 x 25 Dowel, Locating (4) Kit, Camshaft (Includes Key #7 & 8) Spring, Actuating Shim, Camshaft, Blue Shim, Camshaft, Blue Shim, Camshaft, Red (A.R.) Shim, Camshaft, Green (A.R.) Shim, Camshaft, Green (A.R.) Shim, Camshaft, Grey (A.R.) Shim, Camshaft, Black (A.R.) Shim, Camshaft, Black (A.R.) Shim, Camshaft, Black (A.R.) Shim, Camshaft, Black (A.R.) Shim, Camshaft, White (A.R.) Shim, Camshaft, White (A.R.) Shim, Camshaft, White (A.R.) Shim, Camshaft, Standard Piston w/Ring Set .25" Oversize Piston w/Ring Set .50" Oversize Retainer, Piston Pin (2) Ring Set, Standard		
NOT	ILLUSTRATED 12 518 01 PAN / LUBRICA	M5 x 0.8 x 20 (2) Lead, White, Ground To Kill (19", 18 Gauge, Fully Insulated Push-on Tab and Uninsulated Push-on Tab Terminals)	13 14 15 16 17 18 19	12 043 05 M-0631005 12 144 02 52 139 09	Ring Set .25" Oversize Ring Set .50" Oversize Connecting Rod, Standard Connecting Rod .25" Oversize Pin, Governor Regulating Gear, Governor Assembly Washer, Plain 6mm Shaft, Governor Gear Plug, Cup Kit, Shaft, Governor Cross, with Clip		
КЕҮ NO. 1 2	PART NO. 12 038 01 25 755 13	DESCRIPTION Dipstick Assembly (Includes Key Numbers 2 and 3) Kit, Oil Fill Cap (Includes Key #3)	20 21 22 23 24	12 144 24 X-25-102 12 032 01 SM-0631015	(Includes Key #20 and 24) Shaft, Governor Cross Washer, Plain 1/4 Seal, Governor Cross Shaft Washer, Plain 6mm Clip, Hitch Pin		
3	12 153 03 12 153 02	O-Ring, Dipstick O-Ring, Upper Oil Fill Tube	ST	ARTING SYSTEM	л		
4 5 6 7 8	12 133 02 12 123 04 M-0545020 12 153 01 25 162 07	Tube, Oil Fill Screw, Hex Flange M5 x 0.8 x 20 O-Ring, Lower Oil Fill Tube Screen, Oil Pick-up	KE NO	Y PART NO.	DESCRIPTION Screw, Hex Flange		
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	X-75-10 12 393 01 12 032 04 12 096 02 M-0545016 12 032 03 SM-0839045	Cover, Oil Pick-up Screen Screw, Hex Flange M5 x 0.8 x 16 Screw, Hex Flange M10 x 1.5 x 25 Bracket, Oil Pump Relief Valve Spring, Oil Pump Relief Valve Body, Oil Pump Relief Valve Filter, Oil Plug, Square Head, Solid 3/8 Oil Pump Assembly O-Ring, Oil Pump Cover Cover, Oil Pump Screw, Hex Flange M5 x 0.8 x 16 (3) Seal, Oil (P.T.O. End) Screw, Hex Flange M8 x 1.25 x 45 (12) Pan, Oil	ε	2 25 098 03 12 755 54 12 227 06 5 45 170 03 8 2 755 28 7 12 227 11 3 12 086 25	M8 x 1.25 x 70 (2) Starter Assembly (Includes Key Numbers 3 thru 8) Kit, Drive End Cap, Drive End Armature Kit, Brush and Spring End Cap, Commutator Screw, Hex Flange 1/4-20 x 4-5/8 (2) ent dimensions given in U.S. inches		

## **SERVICE NOTES**

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## SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



3

## OWNER'S MANUAL

MODEL NO. 917.256582

#### IF YOU NEED REPAIR SERVICE OR PARTS:

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# **CRAFTSMAN**®

### 15.5 HP ELECTRIC START 42" MOWER 6 SPEED TRANSAXLE LAWN TRACTOR

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

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## WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- PRODUCT TRACTOR
- MODEL NUMBER 917.256582
- ENGINE MODEL NO. CV15S PS41508
- PART NUMBER

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