

SEARS

**OWNER'S
MANUAL**

**MODEL NO.
917.258492**

Caution:
Read and follow
all Safety Rules
and Instructions
Before Operating
This Equipment



CRAFTSMAN[®]

**18.0 HP TWIN CYLINDER
ELECTRIC START
42" MOWER DECK
5 SPEED TRANSAXLE
LAWN TRACTOR**

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



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.

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

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

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

| | |
|--|------------|
| MODEL NUMBER | 917.258492 |
| SERIAL NUMBER | _____ |
| DATE OF PURCHASE | _____ |
| 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 unit.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this owner's manual.

PRODUCT SPECIFICATIONS

| | |
|----------------------------|---|
| HORSEPOWER: | 18.0 |
| GASOLINE CAPACITY: | 3.5 GALLONS UNLEADED REGULAR |
| OIL (3.0 PINTS): | SAE 30 (above 32° F) SAE 5W-30 (below 32° F) |
| SPARK PLUG (GAP .030 IN.): | CHAMPION RJ-19LM STD361458 |
| VALVE CLEARANCE: | INTAKE .004 - .006 IN. EXHAUST .007 - .009 IN. |
| GROUND SPEED: | FORWARD |
| | 1st .77 MPH |
| | 2nd 1.46 MPH |
| | 3rd 3.41 MPH |
| | 4th 4.34 MPH |
| | 5th 5.57 MPH |
| | REVERSE: 1.07 MPH |
| TIRE PRESSURE: | FRONT: 14 PSI REAR: 10 PSI |
| CHARGING SYSTEM: | 5 AMPS HEADLIGHT 3 AMPS BATTERY |
| BLADE BOLT TORQUE: | 30-35 FT. LBS. |

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

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

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

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

This Warranty does not cover:

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

LIMITED 90 DAY WARRANTY ON BATTERY

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

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

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

SEARS, ROEBUCK AND CO., D/731CR-W, SEARS TOWER, CHICAGO, ILLINOIS 60684

TABLE OF CONTENTS

| | | | |
|---------------------------------|----------|-------------------------------|-----------|
| SAFETY RULES | 2 | OPERATION | 10-13 |
| PRODUCT SPECIFICATIONS | 3 | MAINTENANCE SCHEDULE | 14 |
| CUSTOMER RESPONSIBILITIES | 3, 14-17 | SERVICE AND ADJUSTMENTS | 18-23 |
| WARRANTY | 3 | STORAGE | 24 |
| TABLE OF CONTENTS | 4 | TROUBLESHOOTING | 25-26 |
| INDEX | 4 | REPAIR PARTS - TRACTOR | 28-40 |
| TRACTOR ACCESSORIES | 5 | REPAIR PARTS - ENGINE | 41-46 |
| ASSEMBLY | 7-9 | PARTS ORDERING/SERVICE | BACK PAGE |





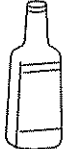

INDEX

| | | | | | |
|-----------------------------------|---------|-----------------------------------|-------|---------------------------------|---------|
| A | | E | | O | |
| Accessories | 5 | Electrical: | | Oil: | |
| Adjustments: | | Interlocks and Relays | 22 | Cold Weather Conditions | 12,16 |
| Brake | 20 | Schematic | 27 | Engine | 16 |
| Carburetor | 23 | Wiring Diagram | 28 | Storage | 24 |
| Gauge Wheels | 9 | Engine: | | Operation | 10-13 |
| Mower | | Air Filter | 16 | Operating Mower | 12 |
| Front-To-Back | 19 | Air Filter Foam Pre-Cleaner | 16 | Options: | |
| Side-To-Side | 18 | Air Screen | 16 | Accessories | 5 |
| Throttle Control Cable | 22 | Cooling Fins, Engine | 17 | Spark Arrester | 3,32 |
| Air Filter, Engine | 16 | Oil Change | 16 | P | |
| Air Screen, Engine | 16 | Oil Level | 12,16 | Parking Brake | 10-11 |
| Assembly | 7-9 | Oil Type | 16 | Parts Bag | 6 |
| B | | Preparation | 12 | Parts, Replacement/Repair | 28-46 |
| Battery: | | Repair Parts | 41-46 | Product Specifications | 3 |
| Charging | 8 | Starting | 13 | R | |
| Cleaning | 16 | Storage | 24 | Repair Parts | 28-46 |
| Installation | 9 | F | | S | |
| Levels | 8,16 | Filter: | | Safety Rules | 2 |
| Preparation | 8 | Air Filter | 16 | Seat | 8 |
| Starting with Weak Battery | 21 | Air Filter Foam Pre-Cleaner | 16 | Service and Adjustments | 18-23 |
| Storage | 24 | Fuel | 17 | Carburetor | 23 |
| Terminals | 16 | Fuel: | | Fuse | 22 |
| Belt: | | Type | 12 | Hood Removal/Installation | 22 |
| Motion Drive | | Storage | 24 | Motion Drive Belt | |
| Removal/Replacement | 20 | Fuse | 22 | Removal/Replacement | 20 |
| Mower Blade Drive | | G | | Mower Blade Drive Belt | |
| Removal/Replacement | 20 | Gauge Wheel Installation | 9 | Removal/Replacement | 20 |
| Blade: | | H | | Mower Adjustment | |
| Sharpening | 15 | Hood Removal/Installation | 22 | Front- to-Back | 19 |
| Replacement | 15 | L | | Side-to-Side | 18 |
| Brake Adjustment | 20 | Leveling Mower Deck | 18-19 | Mower Removal | 18 |
| C | | Lubrication: | | Tire Care | 8,15,21 |
| Carburetor Adjustment | 23 | Chart | 14 | Slope Guide Sheet | 47 |
| Controls, Tractor | 10 | M | | Spark Plugs | 17 |
| Customer Responsibilities | 15-17 | Maintenance Schedule | 14 | Specifications | 3 |
| Engine: | | Mower: | | Starting the Engine | 12-13 |
| Air Filter | 16 | Adjustment, Front-to-Back | 19 | Steering Wheel | 7,21 |
| Air Filter Foam Pre-Cleaner | 16 | Adjustment, Side-to-Side | 18 | Stopping the Tractor | 11 |
| Air Screen, Engine | 16 | Adjustment, Gauge Wheel | 9 | Storage | 24 |
| Battery | 16 | Blade Sharpening | 15 | T | |
| Cooling Fins, Engine | 17 | Blade Replacement | 15 | Throttle Control Cable | |
| Engine Oil | 16 | Cutting Height | 11 | Adjustment | 22 |
| Fuel Filter | 17 | Installation | 18 | Tires | 8,15,21 |
| Spark Plugs | 17 | Operation | 12 | Trouble Shooting Chart | 25-26 |
| Tractor: | | Removal | 18 | Transaxle: | |
| Blade | 15 | Mowing Tips | 13 | Repair Parts | 38-39 |
| Lubrication Chart | 14 | Muffler | 17 | W | |
| Maintenance Schedule | 14 | Spark Arrester | 3,32 | Warranty | 3 |
| Tire Care | 8,15,21 | | | Wiring Diagram | 28 |
| Cutting Height, Mower | 11 | | | Wiring Schematic | 29 |

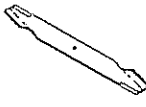

ACCESSORIES AND ATTACHMENTS

These accessories and attachments were available when the unit was purchased. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can order these items for you when you provide the model number of your tractor.

ENGINE

| SPARK PLUG | MUFFLER | AIR FILTER | GAS CAN | ENGINE OIL | STABILIZER |
|---|---|---|---|---|--|
|  |  |  |  |  |  |

MAINTENANCE

| BLADES | BELTS |
|---|---|
|  |  |

PERFORMANCE

Sears offers a wide variety of attachments that fit your vehicle. 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 unit.**

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.

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

LAWN SWEEPERS let you collect grass clippings and leaves.

LAWN VACS for powerful collection of heavy grass clippings and leaves. Wand attachment to pick up debris in hard-to-reach places.

CARTS make hauling easy. Variety of sizes available.

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.

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

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.

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.

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.

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

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

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

WHEEL WEIGHTS for rear wheels provide needed traction for snow removal or dozing heavy materials. In pairs. (30 lbs. each.)

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 and windshields for use as sun protector in summer. (Catalog only.)

Optional accessories for tractor cab: tinted/tempered solid safety glass windshield with hand operated wiper; 12-volt amber caution light for mounting on cab top. (Catalog only.)

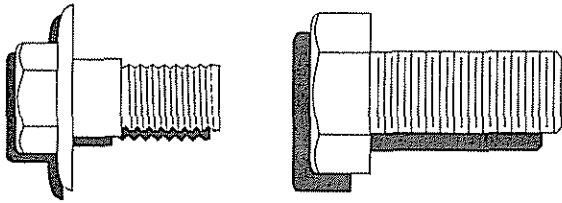
TRACTOR COVER protects tractor from weather. Made of Evolution 3 fabric (water-repellent, extremely breathable, light weight, soft, non-abrasive, pliable in all temperatures, durable, stain/tear/puncture resistant, will not shrink or stretch.) (Catalog only.)

TILLER cultivates and prepares soil in one operation. Uses PTO from tractor; 12 counter-rotating blades. Breaks ground with upper-cut action, then deflects and retills it into a soft, aerated soil. Chain-drive transmission. Tills 21-inch path, 6-inches deep. (Use chains and wheel weights.)

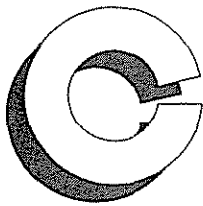
TILLER has 5 hp engine and 36-inch swath to prepare seed beds, cultivate, and compost garden residue. Tiller has its own built-in lift and depth control system and does NOT require a sleeve hitch. Fits any lawn, yard, or garden tractor. Simply hook up to the tractor drawbar and go!

CONTENTS OF HARDWARE PACK

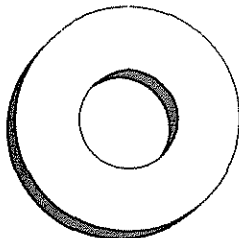
Parts Bag contents shown full size



(1) Shoulder Bolt 5/16-18 (1) Hex Bolt 1/2-13 x 1



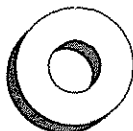
(1) Lock washer 1/2



(1) Washer 17/32 x 1-3/16 x 12 Ga.



(2) Hex Bolts 1/4 - 20 x 3/4 (2) Hex Nuts 1/4 - 20



(2) Washers 9/32 x 5/8 x 16 Ga.

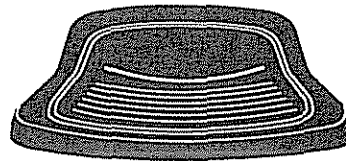


(2) Lock washers 1/4



(2) Wing Nuts 1/4 - 20

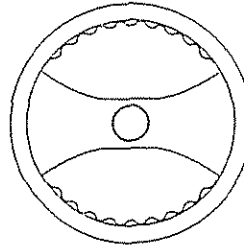
Parts packed separately in carton



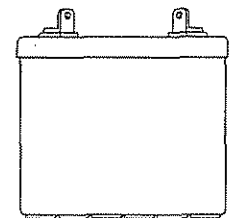
Seat



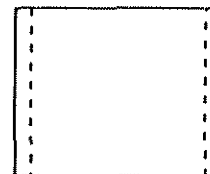
Battery acid



Steering Wheel



Battery

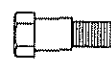


Parts Bag



Owner's Manual

Parts bag contents not shown full size



(2) Shoulder Bolts



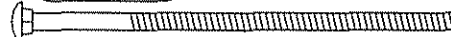
(2) Washers 17/32 x 15/16 x 12 Ga.



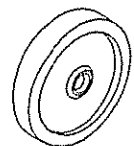
(2) Flangelock Nuts 3/8-16



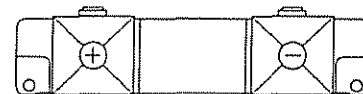
Steering Wheel Insert



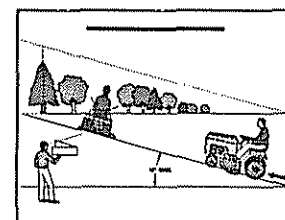
(2) Battery Carriage Bolts 1/4-20 x 7-1/2



(2) Gauge wheels



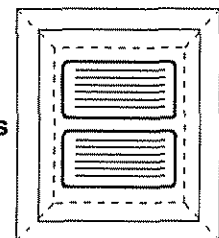
Terminal Guard



15° Slope Sheet



(2) Keys



Battery Caps and Instructions

ASSEMBLY

TOOLS REQUIRED FOR ASSEMBLY

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

- | | |
|--------------------|-------------------------|
| (2) 7/16" wrench | (1) Tire pressure gauge |
| (1) 9/16" wrenches | (1) Screwdriver |
| (1) 1/2" wrench | (1) Utility knife |
| (1) 3/4" wrench | |

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

TO REMOVE UNIT FROM CARTON

UNPACK CARTON

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

BEFORE ROLLING UNIT OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

- Remove hex locknut and large flat washer from steering shaft.
- Position front wheels of the tractor so they are pointing straight forward.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto adapter.
- Assemble large flat washer and 1/2-20 hex locknut and tighten securely.
- Snap 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 UNIT IS TO ROLL OFF SKID.

(See Fig. 6)

- Raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Place gearshift lever in "NEUTRAL" position.
- Roll unit backwards off skid.
- Remove banding holding discharge guard up against tractor.

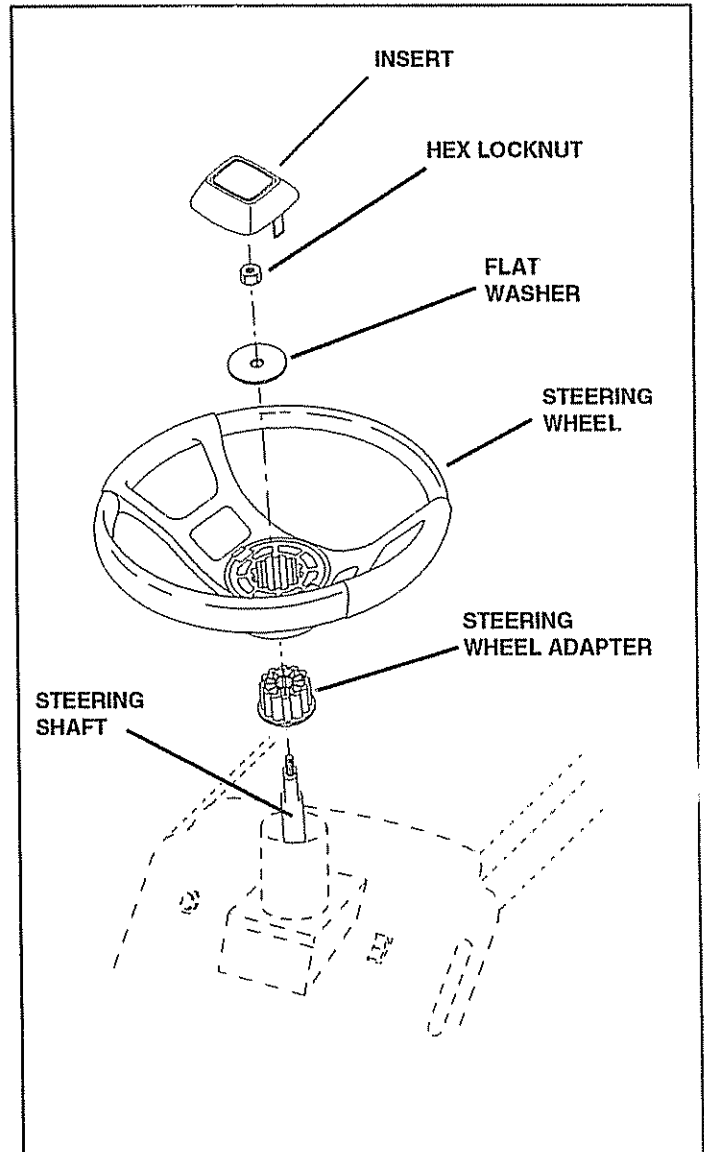


FIG. 1

ASSEMBLY

HOW TO SET UP YOUR TRACTOR PREPARE BATTERY (See Fig. 2)

CAUTION: Wear eye and face shield.

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

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

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



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

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

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

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

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

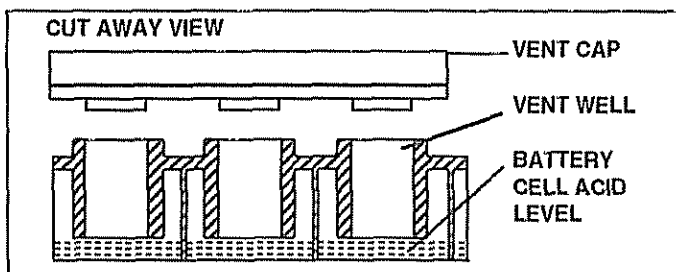


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment bolt.

- Remove cardboard packing on seat pan.
- Place seat on pan and assemble shoulder bolt.
- Assemble adjustment bolt, lock washer 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 (See Fig. 6).
- Get off seat without moving its adjusted position.
- Raise seat and tighten adjustment bolt securely.

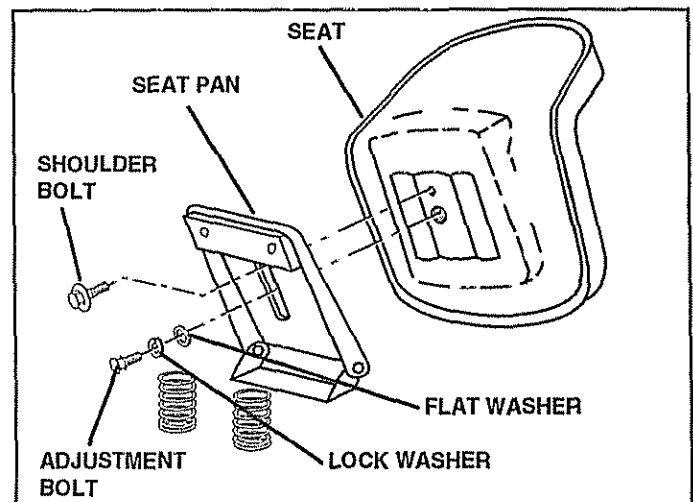


FIG. 3

CHECK TIRE PRESSURE

The tires on your unit 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.

ASSEMBLY

INSTALL BATTERY (See Figs. 4 & 5)



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

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

- Make sure drain tube is fastened to drain hole in battery tray and battery tray is positioned in hole of battery support.
- Place battery in plastic tray, battery terminals to front of tractor.
- First connect RED battery cable to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Slide the two battery bolts through the terminal guard and start the wing nuts onto the threads.
- Position terminal guard over the battery as shown, lower bolts into key holes and slide square shafts of bolts into slots of key holes.
- Tighten wing nuts by hand making sure battery bolts remain in slots of the key holes in the battery support.
- Be sure terminal access doors are closed.

Use terminal access doors for:

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

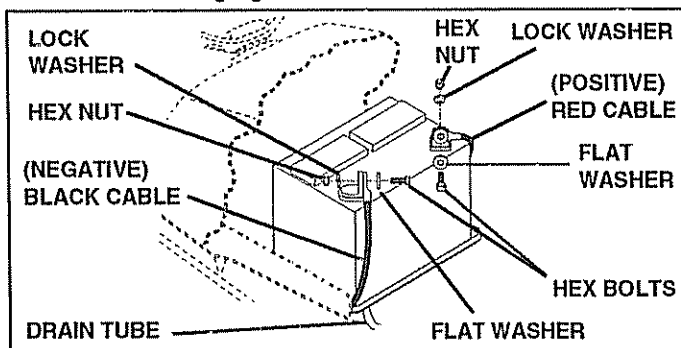


FIG. 4

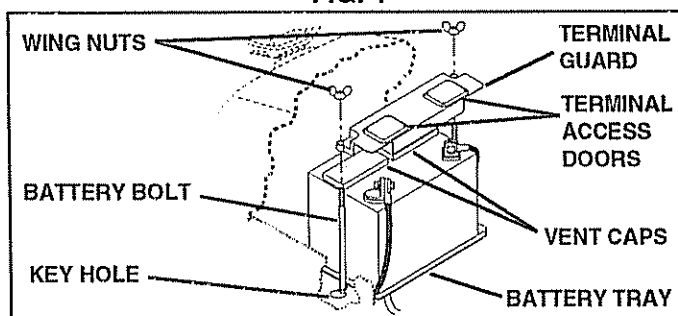


FIG. 5

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

Assemble gauge wheels with tractor on a flat level surface.

- Lower mower to lowest position with attachment lift lever.
- Adjust mower to desired cutting height with height adjustment knob (see "TO ADJUST MOWER CUTTING HEIGHT" in 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 hardware shown and tighten securely.
- Repeat for opposite side installing gauge wheel in same adjustment hole.

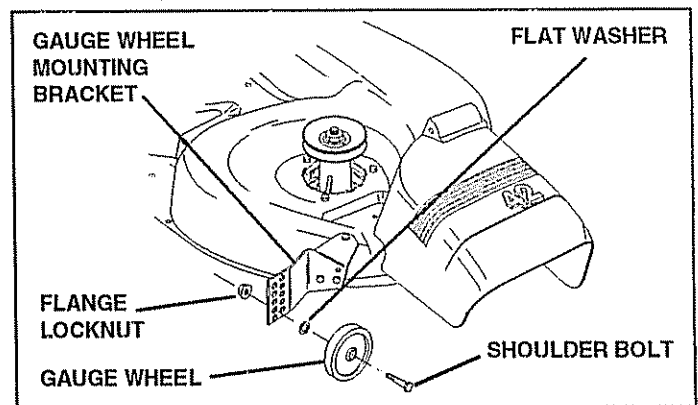


FIG. 6

✓ CHECKLIST

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

Please review the following checklist:

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

OPERATION

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.

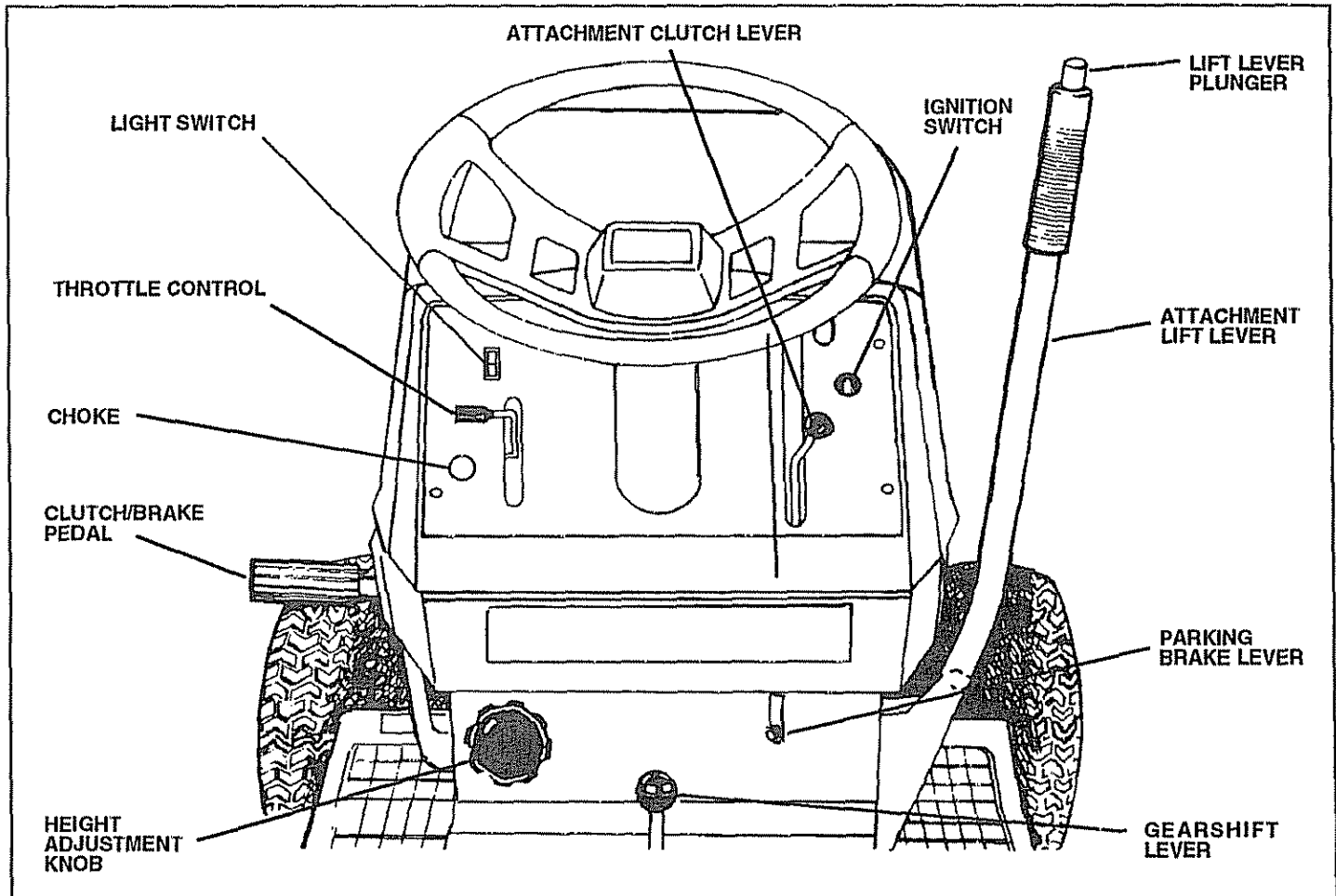


FIG. 7

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

THROTTLE CONTROL: Used for starting and controlling engine speed.

CHOKE CONTROL: Used for starting a cold engine.

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

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

IGNITION SWITCH: Used for starting and stopping the engine.

LIGHT SWITCH: Turns the headlights on and off.

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

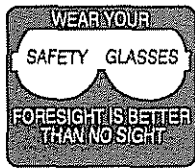
LIFT LEVER PLUNGER: Used to release attachment lift lever when changing its position.

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

PARKING BRAKE LEVER: Locks Clutch/Brake Pedal into the brake position.

GEARSHIFT LEVER: Selects the speed and direction of tractor.

OPERATION



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

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE (See Fig. 8)

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

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" 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 vehicle to prevent unauthorized use.
- Never use choke to stop engine.

NOTE: Under certain conditions when unit 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 unit on grass areas.



CAUTION: Always stop unit 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. 7)

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

- Start tractor with clutch/brake pedal depressed and gearshift lever in "NEUTRAL" position.
- Move gearshift lever to desired position.
- Slowly release clutch/brake pedal to start movement. 11

IMPORTANT: BRING TRACTOR TO A COMPLETE STOP BEFORE SHIFTING OR CHANGING GEARS. FAILURE TO DO SO WILL SHORTEN THE USEFUL LIFE OF YOUR TRANSAXLE.

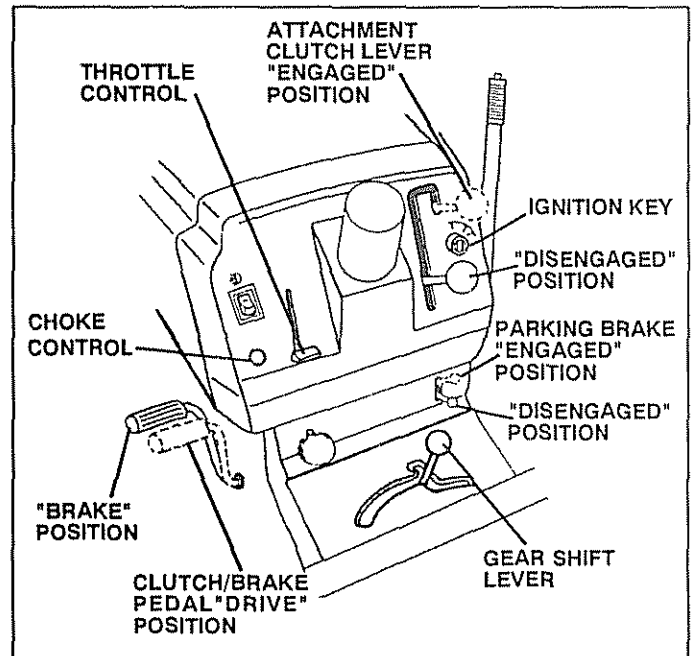


FIG. 8

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 9)

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

- Turn knob clockwise to raise cutting height
- Turn knob counterclockwise to lower cutting height

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

- The average lawn should be cut approximately 2-1/2 inches during the cool season and 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.

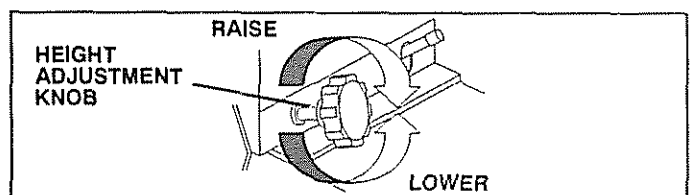


FIG. 9

OPERATION

TO OPERATE MOWER (See Fig. 10)

Your unit 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.
- Engage mower by slowly moving attachment clutch lever to "ENGAGED" position.
- TO STOP MOWER - Move attachment clutch lever to "DISENGAGED" position.



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

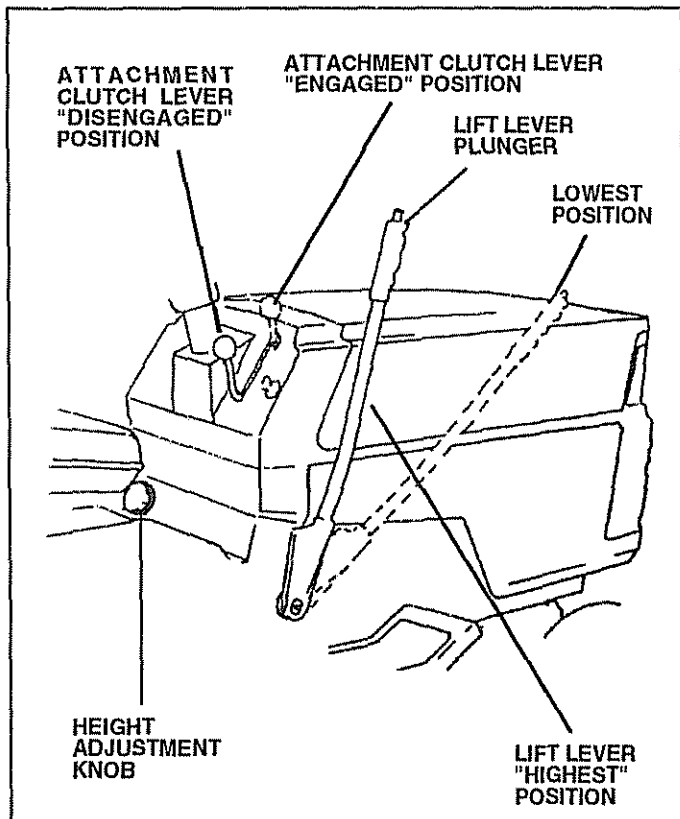


FIG. 10

TO OPERATE ON HILLS



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

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If slowing is necessary, move throttle control lever to slower position.

- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- Move gearshift lever to 1st gear and 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 control to highest position.
- When pushing or towing your unit, be sure gearshift lever is in "NEUTRAL" position.
- Do not push or tow unit at more than five (5) MPH.

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 15)

- The engine in your unit has been shipped, from the factory, already filled with summer weight oil.
- Check engine oil with unit on level ground.
- Remove oil fill dipstick and wipe clean, replace and screw cap tight, wait for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.
- For cold weather operation you should change oil for easier starting (see "OIL VISCOSITY CHART" in the Customer Responsibilities section of this manual).
- To change engine oil, see the Customer Responsibilities section in this manual.

ADD GASOLINE

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

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

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



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

OPERATION

TO START ENGINE (See Fig. 8)

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

- Depress the clutch/brake pedal and set the parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Move attachment clutch to "DISENGAGED" position.
- Pull choke control out to "CHOKE" position for cold engine start. For warm engine start do not use choke control.
- Move throttle control to midway between "FAST" and "SLOW" positions.
- Turn ignition key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If engine does not start after several attempts, move throttle control to "FAST" position, wait a few minutes and try again.
- When engine starts, slowly push choke control in.
- Move throttle control to "FAST" position.
- Allow engine to warm up for a few minutes before engaging drive or attachment clutch.

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 unit.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.

- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished (See Fig. 11).

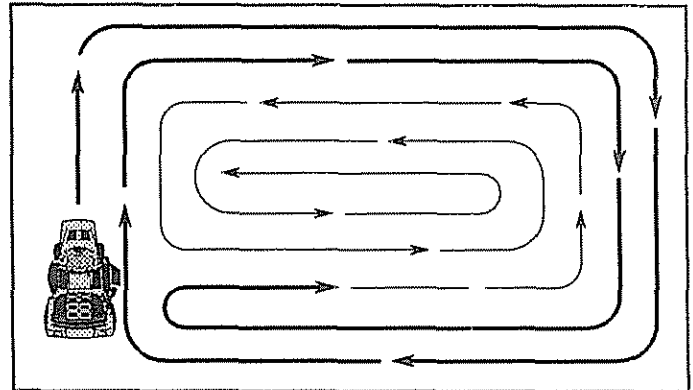


FIG. 11

- 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 speed 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.

CUSTOMER RESPONSIBILITIES

| MAINTENANCE SCHEDULE FILL IN DATES AS YOU COMPLETE REGULAR SERVICE | | SERVICE INTERVALS | | | | | | | SERVICE DATES | | | | | | | | | | |
|---|-------------------------------------|-------------------|---------------|---------------|--------------------|----------------|-----------------|--------------|---------------|------------------|---|---|----------------|--|--|--|--|--|--|
| | | BEFORE EACH USE | FIRST 2 HOURS | EVERY 8 HOURS | EVERY 25 HOURS | EVERY 50 HOURS | EVERY 100 HOURS | EVERY SEASON | | | | | BEFORE STORAGE | | | | | | |
| TRACTOR | Check Brake Operation | ✓ | | ✓ | | | | | | | | | | | | | | | |
| | Check Tire Pressure | ✓ | | ✓ | | | | | | | | | | | | | | | |
| | Check for Loose Fasteners | ✓ | | | | | | | | | ✓ | | | | | | | | |
| | Sharpen/Replace Mower Blades | | | | | ✓ ₄ | | | | | | | | | | | | | |
| | Lubrication Chart | | | | | ✓ | | | | | ✓ | | | | | | | | |
| | Check Battery Level/Recharge | | | | | ✓ | | | | | | ✓ | | | | | | | |
| | Clean Battery and Terminals | | | | | ✓ | | | | | | ✓ | | | | | | | |
| | Check Transmission Cooling | | | | | ✓ | | | | | | | | | | | | | |
| | Adjust Blade Belt(s) Tension | | | | | | | | | ✓ ₅ | | | | | | | | | |
| | Adjust Motion Drive Belt(s) Tension | | | | | | | | | ✓ ₅ | | | | | | | | | |
| ENGINE | Check Engine Oil Level | ✓ | | ✓ | | | | | | | | | | | | | | | |
| | Change Engine Oil | | ✓ | | ✓ _{1,2,3} | | | | | | ✓ | | | | | | | | |
| | Clean Air Filter | | | | ✓ ₂ | | | | | | | | | | | | | | |
| | Clean Air Screen | | | | ✓ ₂ | | | | | | | | | | | | | | |
| | Inspect Muffler/Spark Arrester | | | | | | ✓ | | | | | | | | | | | | |
| | Replace Oil Filter (If equipped) | | | | | | | | | ✓ _{1,2} | | | | | | | | | |
| | Clean Engine Cooling Fins | | | | | | | | | ✓ ₂ | | | | | | | | | |
| | Replace Spark Plug | | | | | | | | | ✓ | ✓ | | | | | | | | |
| | Replace Air Filter Paper Cartridge | | | | | | | | | ✓ ₂ | | | | | | | | | |
| | Replace Fuel Filter | | | | | | | | | | ✓ | | | | | | | | |

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

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

GENERAL RECOMMENDATIONS

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

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

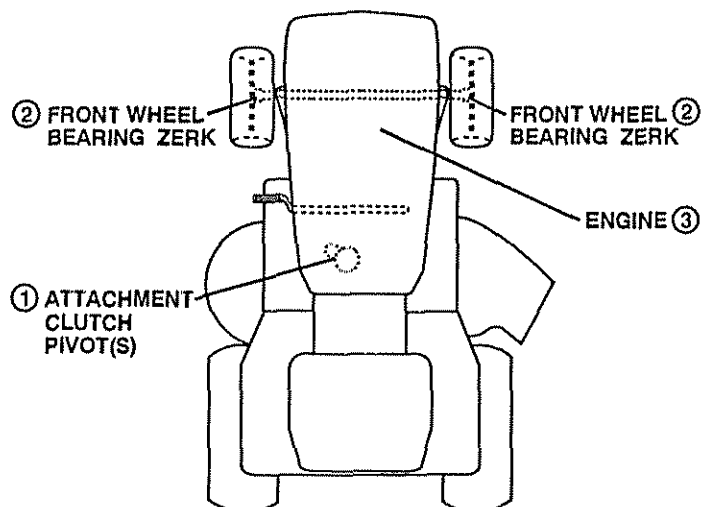
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

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

BEFORE EACH USE

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

LUBRICATION CHART



① SAE 30 OR 10W30 MOTOR OIL API - SG

② GENERAL PURPOSE GREASE

③ REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

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

CUSTOMER RESPONSIBILITIES

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

TIRES

- Maintain proper air pressure in all tires (See "PRODUCT 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. The blades can be sharpened with a file or on a grinding wheel. We suggest they be sharpened or replaced after every 25 hours of mowing. Check blades more often if mowing in sandy conditions.

- Do not attempt to sharpen blades while they are on the mower.
- 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.

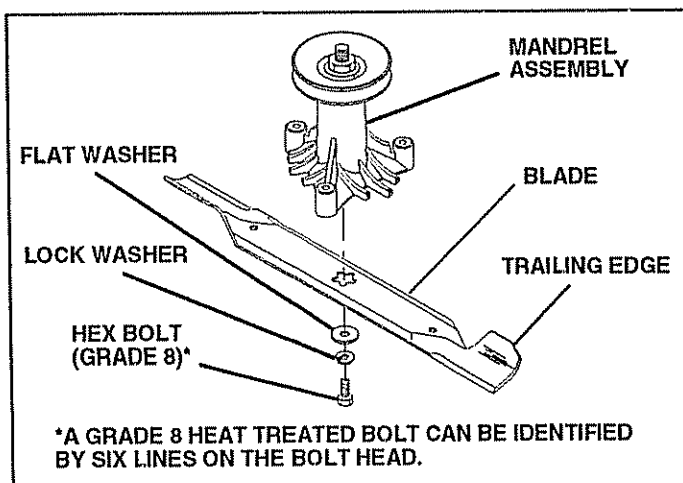


FIG. 12

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 cone balancer. (When using a cone balancer, follow the instructions supplied with the balancer).
- Slide blade on to an unthreaded portion of the steel bolt or pin parallel with 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.

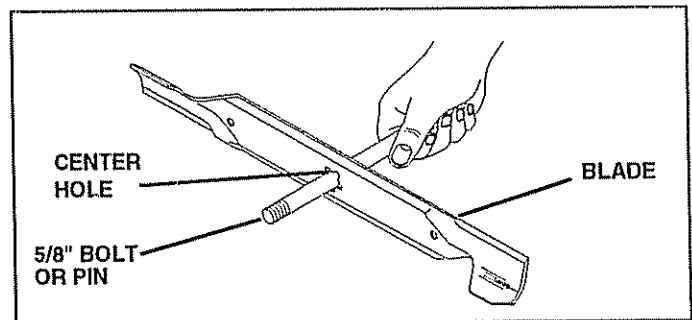


FIG. 13

BATTERY (See Fig. 14)

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

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

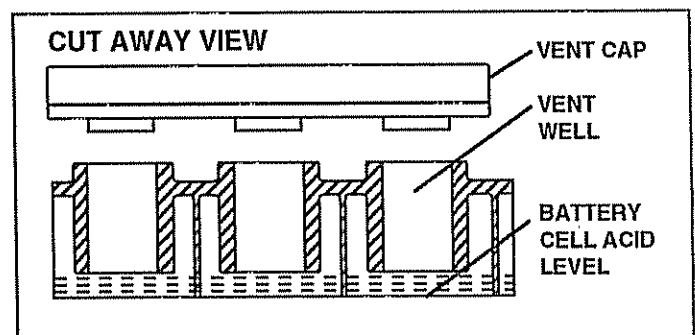


FIG. 14

CUSTOMER RESPONSIBILITIES

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.
- Wash battery with solution of four tablespoons of baking soda to one gallon of water. Be careful not to get the soda solution into the cells.
- Rinse the battery with plain water and dry.
- Clean terminals and battery cable ends with wire brush until bright.
- Coat terminals with grease or petroleum jelly.
- Reinstall battery (See "INSTALL BATTERY" in Assembly section of this manual).

V-BELTS

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

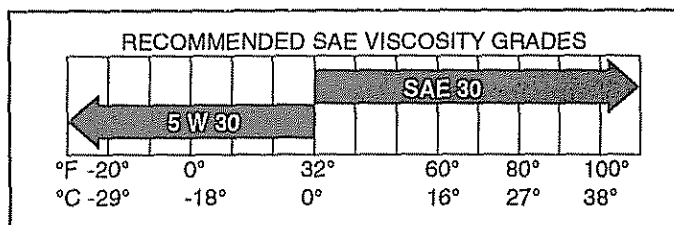
TRANSAXLE COOLING

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 SG. Select the oil's SAE viscosity grade according to your expected operating temperature.



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

Change the oil after the first two hours of operation and every 25 hours thereafter or at least once a year if the tractor is not used for 25 hours in one year.

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

TO CHANGE ENGINE OIL (See Fig. 15)

- Be sure vehicle is on level surface.
- Oil will drain more freely when warm.
- Catch oil in a suitable container.
- Remove oil fill 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 dipstick for checking level. Be sure dipstick cap is tightened securely for accurate reading. Keep oil at "FULL" line on dipstick.

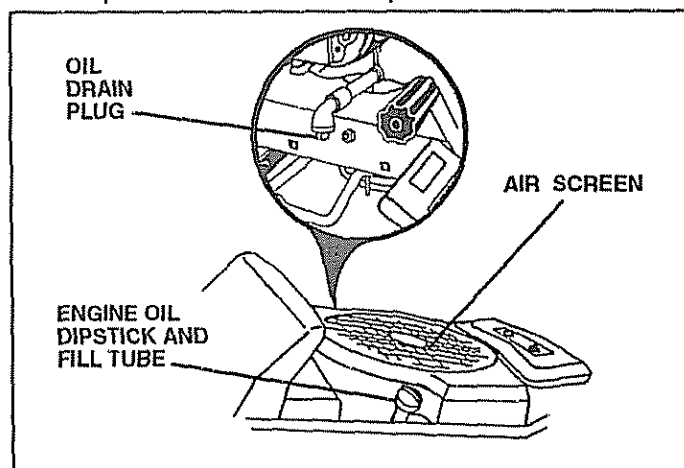


FIG. 15

AIR SCREEN (See Fig. 15)

The engine 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 removed dirt and stubborn dried gum fibers.

AIR FILTER FOAM PRE-CLEANER (See Fig. 16)

Your engine will not run properly and may be damaged by using a dirty air filter. Clean the foam pre-cleaner element after every 25 hours of operation, more often if tractor is used in very dusty, dirty conditions.

- Remove knobs and cover.
- Remove foam pre-cleaner by sliding it off the paper cartridge.

NOTE: Do not attempt to clean or oil the paper cartridge. Replace paper cartridge once a year or after every 100 hours of operation, more often if used in very dusty, dirty conditions.

- Wash foam pre-cleaner in liquid detergent and water.
- Wrap foam pre-cleaner in cloth and squeeze dry.
- Lightly coat foam pre-cleaner with clean engine oil. Squeeze in towel to remove excess oil. Do not saturate.
- Install foam pre-cleaner over paper cartridge.
- Reassemble cover and secure with knobs.

CUSTOMER RESPONSIBILITIES

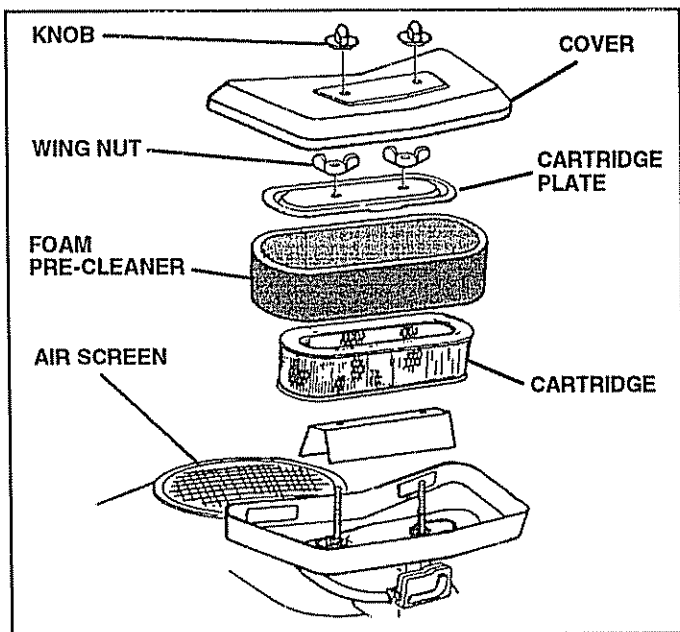


FIG. 16

ENGINE COOLING FINS (See Fig. 17)

Remove any dust, dirt or oil from engine cooling fins to prevent engine damage from overheating. Air guide covers must be removed. Remove side panels and hood (See "TO REMOVE HOOD AND GRILL ASSEMBLY" in the Service and Adjustments section of this manual).

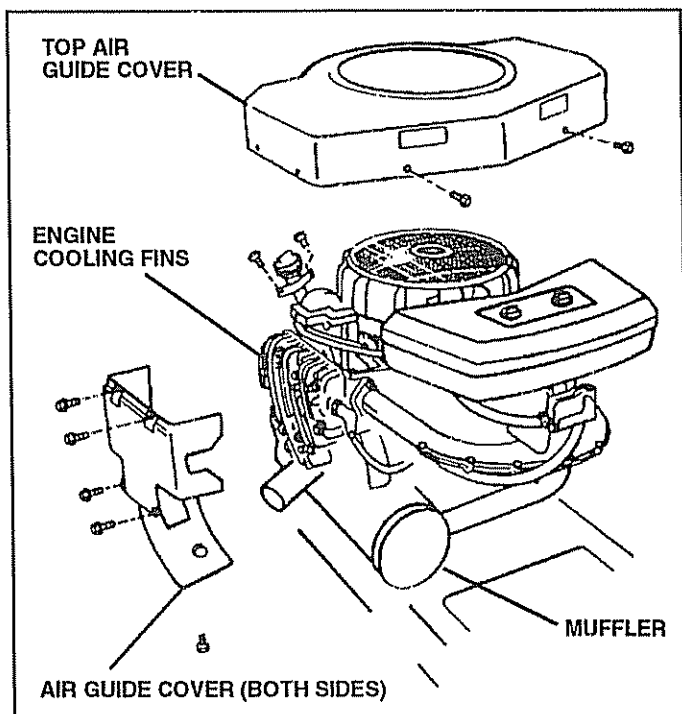


FIG. 17

MUFFLER

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

SPARK PLUGS

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

IN-LINE FUEL FILTER (See Fig. 18)

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.
- Be sure there are no fuel line leaks and clamps are properly positioned.
- Immediately wipe up any spilled gasoline.

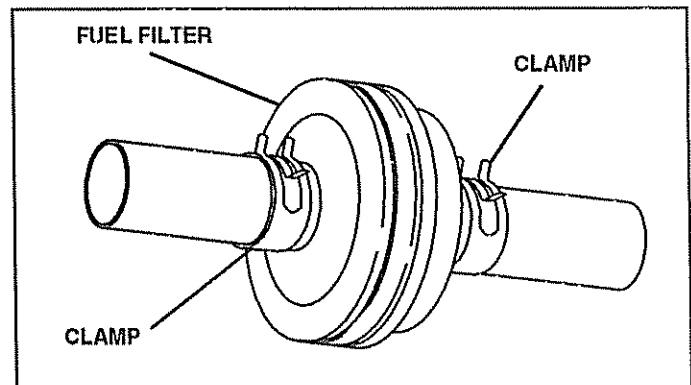


FIG. 18

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 unit unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in a shortened engine life.

SERVICE AND ADJUSTMENTS



CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

- Depress clutch/brake pedal fully and set parking brake.
- Place gearshift lever in "NEUTRAL" 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. 19)

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

- 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 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, BOTH SUSPENSION ARMS MUST BE REMOVED FROM TRACTOR.

TO INSTALL MOWER (See Fig. 19)

- 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.

NOTE: The mower clutch rod has a trunnion that has been preset, at the factory, for optimum mower performance. **DO NOT MOVE THE TRUNNION ON THE CLUTCH ROD.** If for any reason the trunnion has been moved on the clutch rod, it must be reset to correct position (parallel with clutch rod) and measure 10-11/32" (Check dimension on edge of flat work surface as shown).

Be sure to tighten trunnion nut securely against trunnion after making any adjustments.

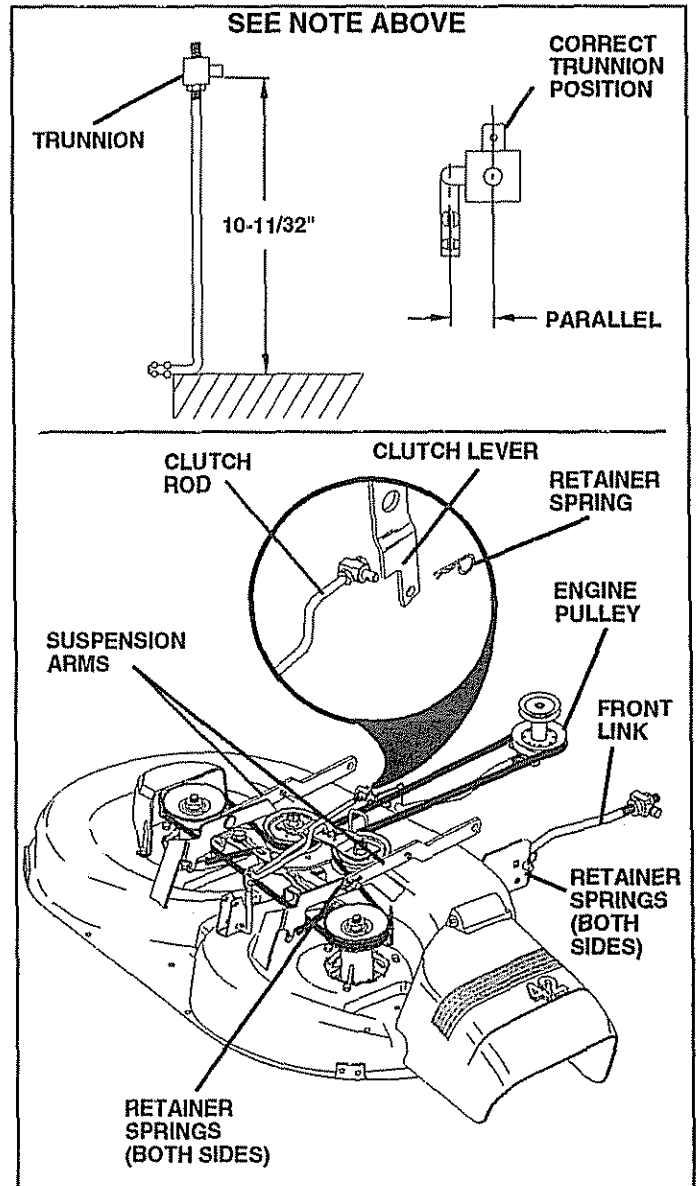


FIG. 19

SERVICE AND ADJUSTMENTS

TO LEVEL MOWER HOUSING

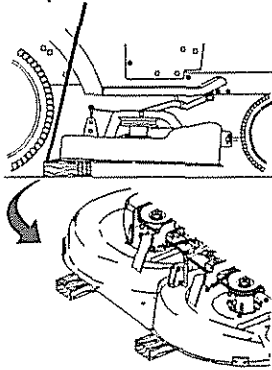
Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" on page 3). If tires are over or under inflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT (See Figs. 20 and 21) -

You will need two (2) standard 2 x 4 short pieces of wood to make the following adjustment. Similar blocks measuring 1-1/2" thick may also be used.

- Raise mower with attachment lift control to allow two (2) 1-1/2" thick blocks to be placed under rear edge of mower directly behind mandrels.
- Lower mower deck to its lowest height of cut position (See "TO ADJUST MOWER CUTTING HEIGHT" in Operation section of this manual).
- On both sides of tractor, loosen, but do not remove, the fasteners securing the adjustable pivot brackets to frame. Both brackets must be loose enough to move freely.
- Pull down firmly on suspension arm to remove any slack in pivot bracket and hold while tightening rear fastener first to secure. Tighten remaining fasteners.
- Repeat procedure on other side of tractor.
- Raise mower with attachment lift control and remove blocks from under mower.

PLACE TWO (2) 1-1/2" THICK BLOCKS UNDER REAR EDGE OF DECK (Use wood 2 x 4's or equivalent)



MOWER MUST BE IN LOWEST HEIGHT OF CUT POSITION

FIG. 20

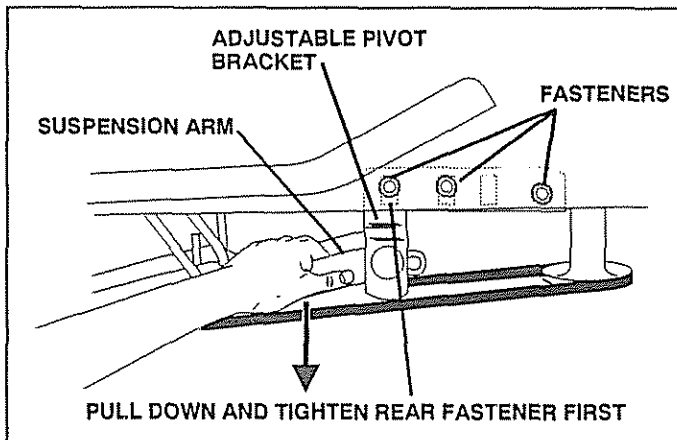


FIG. 21

FRONT-TO-BACK ADJUSTMENT (See Figs. 22 and 23) -

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.

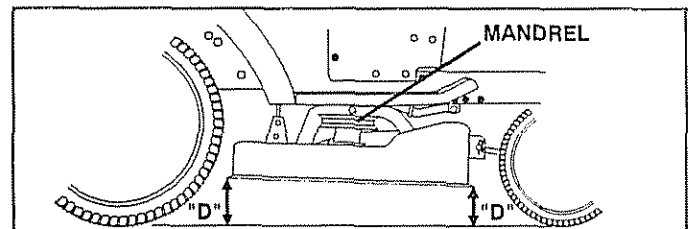


FIG. 22

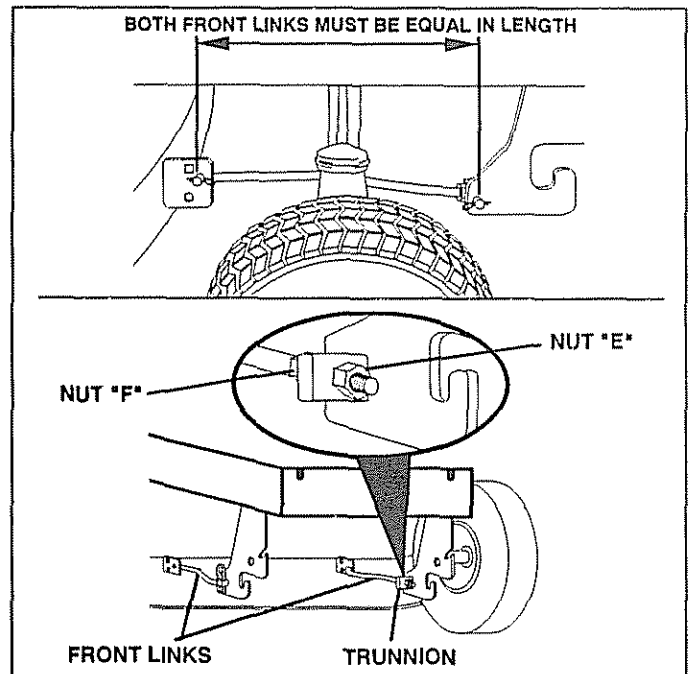


FIG. 23

SERVICE AND ADJUSTMENTS

TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 24)

The mower blade drive belt may be replaced without tools. Park the tractor on level surface. Engage parking brake. For assistance, there is a belt installation guide decal on the mower housing.

BELT REMOVAL -

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- 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.

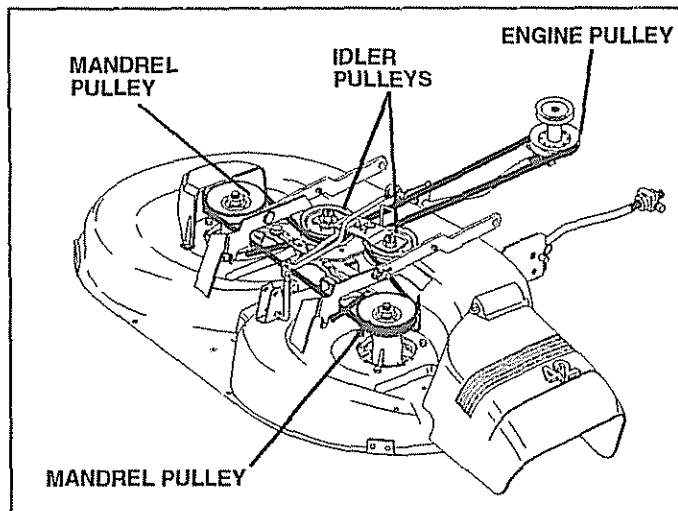


FIG. 24

TO ADJUST BRAKE (See Fig. 25)

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

If unit 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", disengage parking brake, loosen jam nut and turn nut "A" until distance becomes 1-1/2". Retighten jam nut against nut "A".
- Engage parking brake and recheck distance.
- Road test unit for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than six (6) feet in highest gear, further maintenance is necessary. Contact your nearest authorized service center.

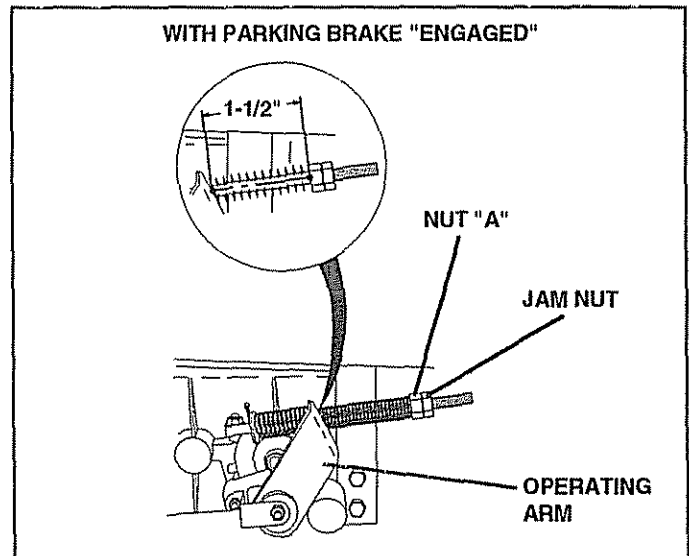


FIG. 25

TO REPLACE MOTION DRIVE BELT (See Fig. 26)

Park the tractor on level area. 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 belt from stationary idler and clutching idler.
- Remove belt from engine pulley.
- Roll belt over top of transaxle pulley.
- Install new belt by reversing above procedure.

IMPORTANT: REPLACE ONLY WITH BELT LISTED IN THIS MANUAL.

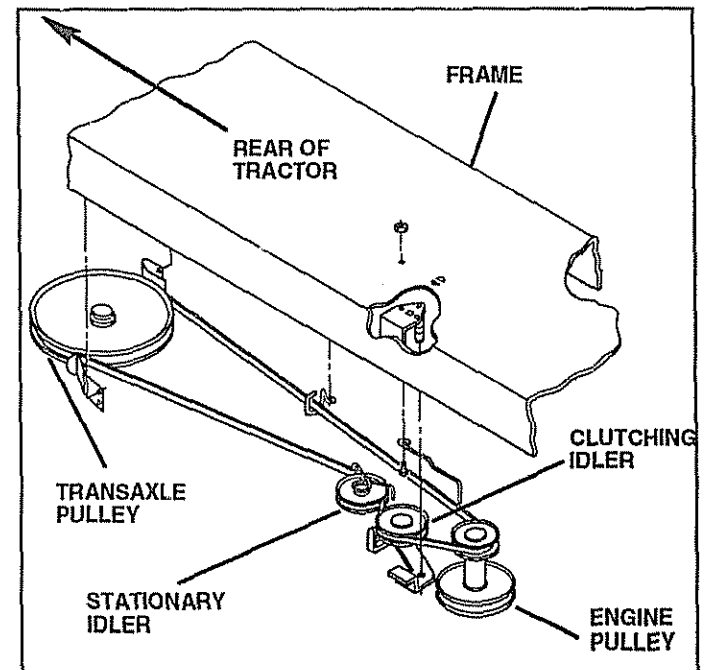


FIG. 26

SERVICE AND ADJUSTMENTS

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 unit. If damage has occurred to affect the front wheel toe-in or camber, contact your nearest Sears Service Center.

TO REMOVE WHEEL FOR REPAIRS (See Fig. 27)

- 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.

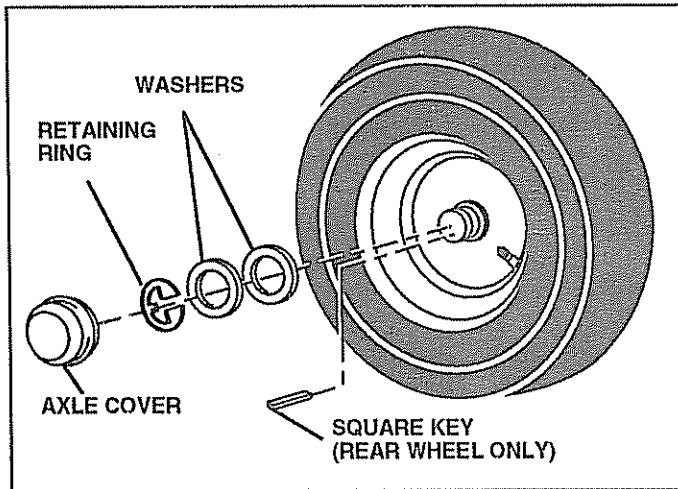
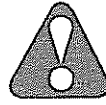


FIG. 27

TO START ENGINE WITH A WEAK BATTERY (See Figs. 28 & 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 UNIT 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 NEGATIVE (-) terminal of fully charged battery.
- Connect the other end of the BLACK cable to a panel bolt on the left side of the chassis, away from fuel tank and battery.

To remove cables, reverse order -

- BLACK cable first from left side of chassis and fully charged battery.
- RED cable last from both batteries.

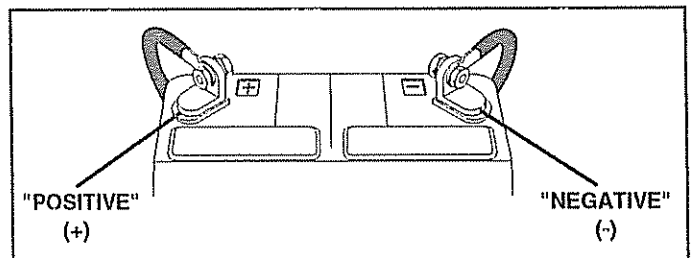


FIG. 28

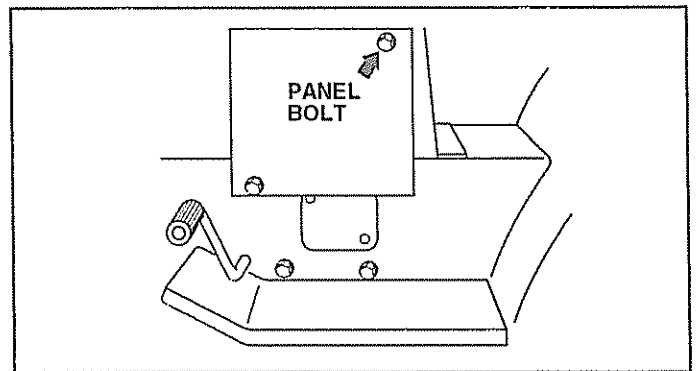


FIG. 29

SERVICE AND ADJUSTMENTS

TO REPLACE FUSE

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located in the engine compartment, directly in front of the dash.

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 Repair Parts section of this manual.

TO REMOVE HOOD AND GRILL ASSEMBLY (See Figs. 30 and 31)

- Raise hood.
- Unsnap headlight wire connector.
- Unscrew one screw at rear of each side panel.
- Pivot hood and side panels forward and lift off tractor.
- To reinstall, reverse procedure.

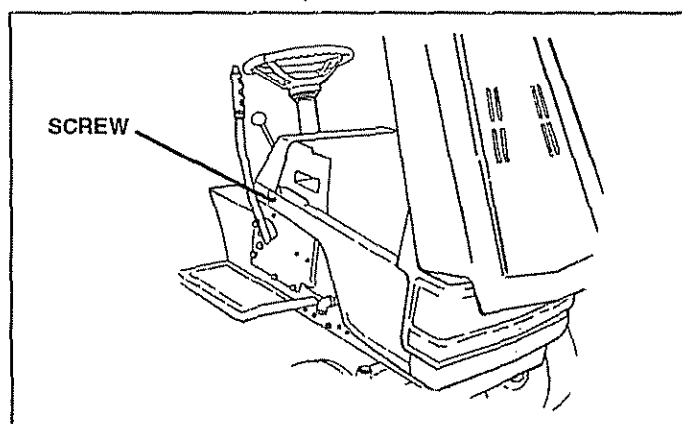


FIG. 30

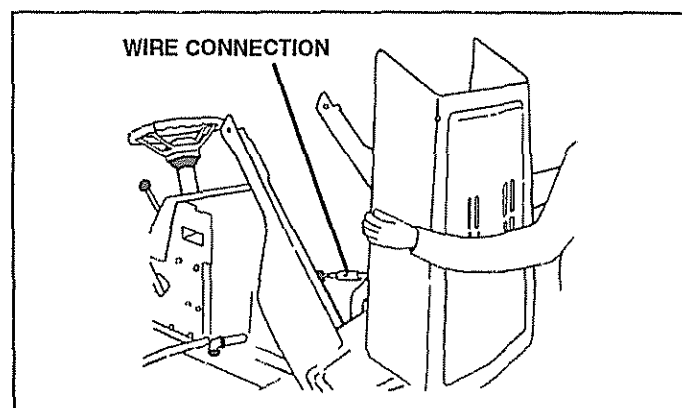


FIG. 31

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 32)

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

- With engine not running, move throttle control lever to "FAST" position.
- Check that swivel is against side of quarter circle. If it is not, loosen cable clamp screw and pull cable back until swivel is against quarter circle. Tighten cable clamp screw securely.

TO ADJUST CHOKE CONTROL (See Fig. 33)

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

- With engine not running, move choke control (located on dash panel) to full "CHOKE" position.
- Remove air cleaner cover, filter and spitback plate to expose carburetor choke (see "AIR FILTER" in the Customer Responsibilities section of this manual).
- Choke should be closed. If it is not, loosen casing clamp screw and move choke cable until choke is completely closed. Tighten casing clamp screw securely.
- Reassemble air cleaner.

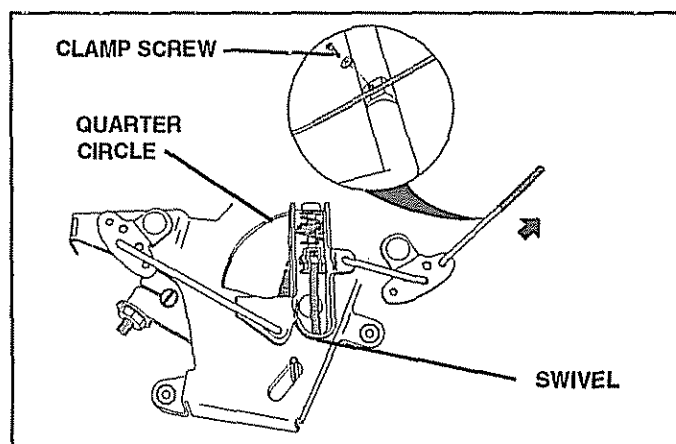


FIG. 32

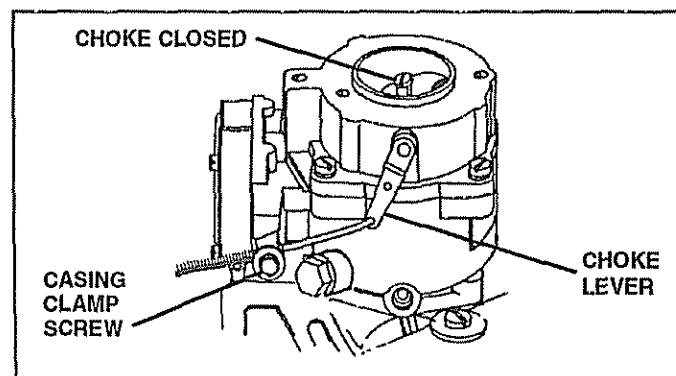


FIG. 33

SERVICE AND ADJUSTMENTS

TO ADJUST CARBURETOR (See Fig. 34 & 35)

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

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

PRELIMINARY SETTING -

- Be sure you have a clean air filter, and the throttle control cable and choke are adjusted properly (see above).
- With engine off turn idle mixture screw **in** (clockwise) closing it finger tight and then turn **out** (counterclockwise) 1-1/4 to 1-1/2 turns.

FINAL SETTING -

- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/ motion control lever in "NEUTRAL" position.
- With throttle control lever in "SLOW" position, hold throttle lever against idle speed screw and adjust idle speed screw to obtain 1200 to 1400 RPM.
- While still holding throttle lever against idle speed screw, turn idle mixture screw **in** (clockwise) until engine begins to die and then turn **out** (counterclockwise) until engine runs rough. Turn screw to a point midway between those two positions.
- Continue to hold throttle lever against idle speed screw and adjust idle speed screw to obtain 900 to 1200 RPM. Release throttle lever.

ACCELERATION TEST -

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

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

IMPORTANT: NEVER TAMPER WITH THE ENGINE GOVERNOR, WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING THE ENGINE ABOVE THE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS. IF YOU THINK THE ENGINE-GOVERNED HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.

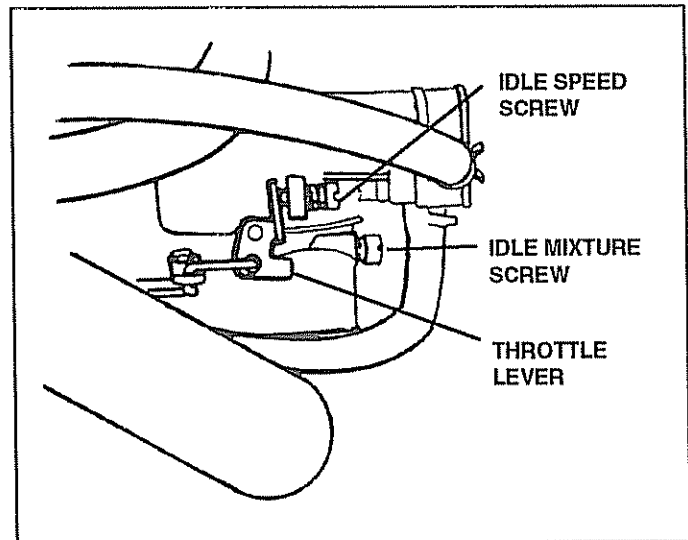


FIG. 34

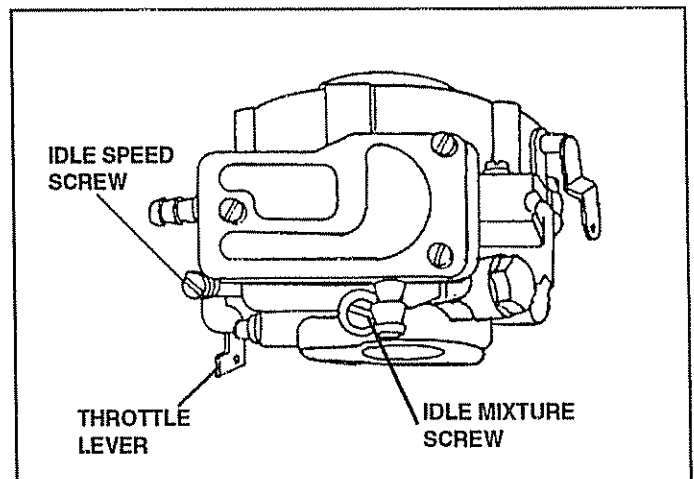


FIG. 35

STORAGE

Immediately prepare your tractor for storage at the end of the season or if the unit 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.

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 unit indoors and cover it to give protection from dust and dirt.
- Cover your unit 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 unit to rust.

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

TROUBLESHOOTING POINTS

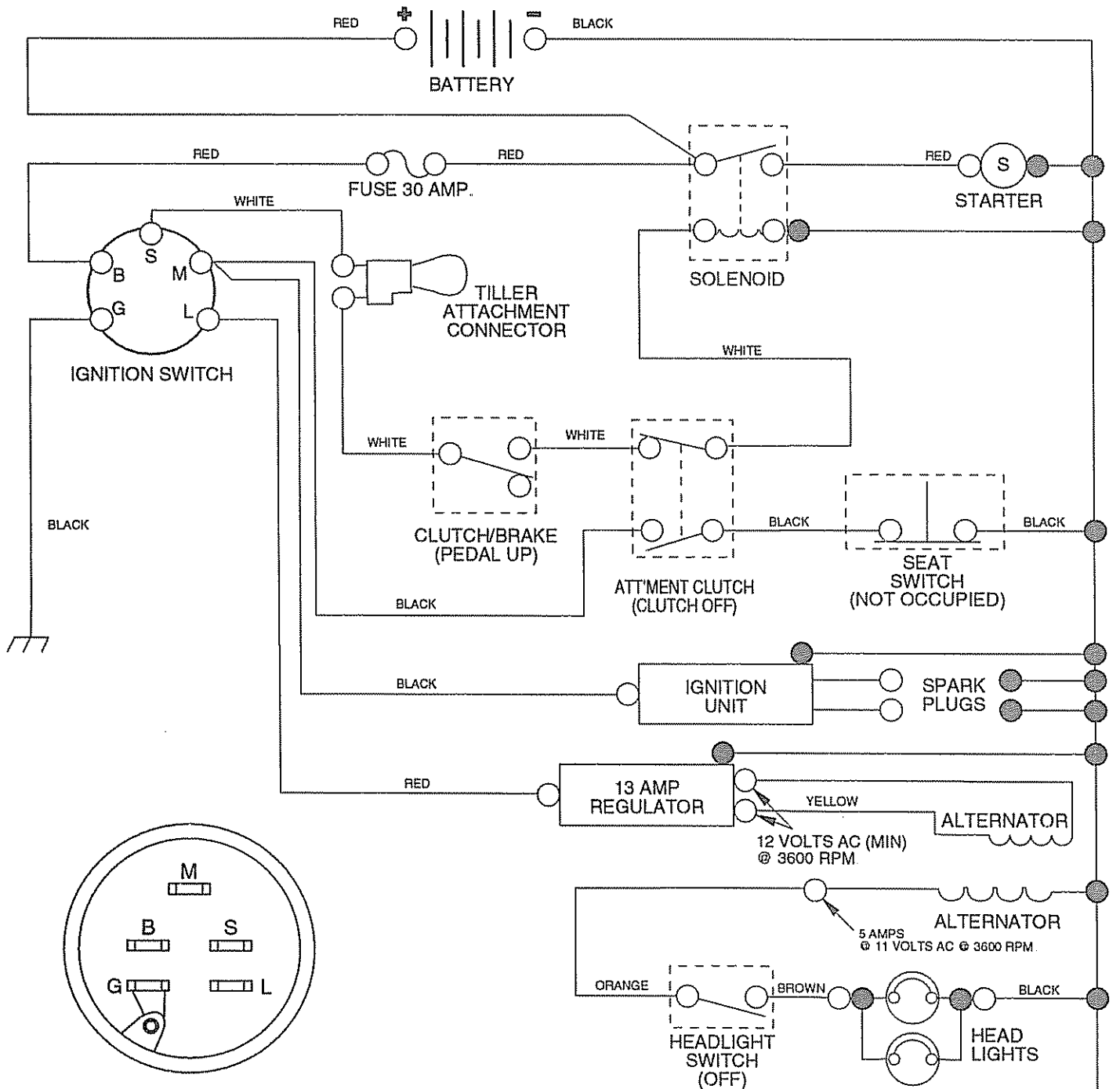
| PROBLEM | CAUSE | CORRECTION |
|----------------------------------|---|--|
| Will not start | <ol style="list-style-type: none"> 1. Out of fuel. 2. Engine not "CHOKED" properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment. 10. Engine valves out of adjustment. | <ol style="list-style-type: none"> 1. Fill fuel tank. 2. See "TO START ENGINE" in Operation section. 3. Wait several minutes before attempting to start. 4. Replace spark plug. 5. Clean/replace air filter. 6. Replace fuel filter. 7. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 8. Check all wiring. 9. Contact Sears Service Center/Department. 10. Contact Sears Service Center/Department. |
| Hard to start | <ol style="list-style-type: none"> 1. Dirty air filter. 2. Bad spark plug. 3. Weak or dead battery. 4. Dirty fuel filter. 5. Stale or dirty fuel. 6. Loose or damaged wiring. 7. Carburetor out of adjustment. 8. Engine valves out of adjustment. | <ol style="list-style-type: none"> 1. Clean/replace air filter. 2. Replace spark plug. 3. Recharge or replace battery. 4. Replace fuel filter. 5. Drain fuel tank and refill with fresh gasoline. 6. Check all wiring. 7. Contact Sears Service Center/Department. 8. Contact Sears Service Center/Department. |
| Engine will not turn over | <ol style="list-style-type: none"> 1. Clutch/brake pedal not depressed. 2. Attachment clutch is engaged. 3. Weak or dead battery. 4. Blown fuse. 5. Corroded battery terminals. 6. Loose or damaged wiring. 7. Faulty Ignition switch. 8. Faulty solenoid or starter. 9. Faulty operator presence switch(es). | <ol style="list-style-type: none"> 1. Depress clutch/brake pedal. 2. Disengage attachment clutch. 3. Recharge or replace battery. 4. Replace fuse. 5. Clean battery terminals. 6. Check all wiring. 7. Check/replace Ignition switch. 8. Check/replace solenoid or starter. 9. Contact Sears Service Center/Department. |
| Engine clicks but will not start | <ol style="list-style-type: none"> 1. Weak or dead battery. 2. Corroded battery terminals. 3. Loose or damaged wiring. 4. Faulty solenoid or starter. | <ol style="list-style-type: none"> 1. Recharge or replace battery. 2. Clean battery terminals. 3. Check all wiring. 4. Check/replace solenoid or starter. |
| Loss of power | <ol style="list-style-type: none"> 1. Cutting too much grass/too fast. 2. Throttle in "CHOKE" position. 3. Build-up of grass, leaves and trash under mower. 4. Dirty air filter. 5. Low oil level/dirty oil. 6. Faulty spark plug. 7. Dirty fuel filter. 8. Stale or dirty fuel. 9. Water in fuel. 10. Spark plug wire loose. 11. Dirty engine air screen/fins. 12. Dirty/clogged muffler. 13. Loose or damaged wiring. 14. Carburetor out of adjustment. 15. Engine valves out of adjustment. | <ol style="list-style-type: none"> 1. Set in "Higher Cut" position/reduce speed. 2. Adjust throttle control. 3. Clean underside of mower housing. 4. Clean/replace air filter. 5. Check oil level/change oil. 6. Clean and regap or change spark plug. 7. Replace fuel filter. 8. Drain fuel tank and refill with fresh gasoline. 9. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 10. Connect and tighten spark plug wire. 11. Clean engine air screen/fins. 12. Clean/replace muffler. 13. Check all wiring. 14. Contact Sears Service Center/Department. 15. Contact Sears Service Center/Department. |
| Excessive vibration | <ol style="list-style-type: none"> 1. Worn, bent or loose blade. 2. Bent blade mandrel. 3. Loose/damaged part(s). | <ol style="list-style-type: none"> 1. Replace blade. Tighten blade bolt. 2. Replace blade mandrel. 3. Tighten loose part(s). Replace damaged parts. |

TROUBLESHOOTING POINTS

| PROBLEM | CAUSE | CORRECTION |
|--|--|--|
| Engine continues to run when operator leaves seat with attachment clutch engaged | <ol style="list-style-type: none"> 1. Faulty operator-safety presence control system. | <ol style="list-style-type: none"> 1. Check wiring, switches and connections. If not corrected, contact Sears Service Center/Department. |
| Poor cut - uneven | <ol style="list-style-type: none"> 1. Worn, bent or loose blade. 2. Mower deck not level. 3. Buildup of grass, leaves, and trash under mower. 4. Bent blade mandrel. 5. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels | <ol style="list-style-type: none"> 1. Replace blade. Tighten blade bolt. 2. Level mower deck. 3. Clean underside of mower housing. 4. Replace blade mandrel. 5. Clean around mandrels to open vent holes. |
| Mower blades will not rotate | <ol style="list-style-type: none"> 1. Obstruction in clutch mechanism. 2. Worn/damaged mower drive belt. 3. Frozen idler pulley. 4. Frozen blade mandrel. | <ol style="list-style-type: none"> 1. Remove obstruction. 2. Replace mower drive belt. 3. Replace idler pulley. 4. Replace blade mandrel. |
| Poor grass discharge | <ol style="list-style-type: none"> 1. Engine speed too slow 2. Travel speed too fast 3. Wet grass. 4. Mower deck not level. 5. Low/uneven tire air pressure. 6. Worn, bent or loose blade. 7. Buildup of grass, leaves and trash under mower. 8. Mower drive belt worn. 9. Blades improperly installed. 10. Improper blades used. 11. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. | <ol style="list-style-type: none"> 1. Place throttle control in "FAST" position 2. Shift to slower speed. 3. Allow grass to dry before mowing. 4. Level mower deck. 5. Check tires for proper air pressure. 6. Replace/sharpen blade. Tighten blade bolt. 7. Clean underside of mower housing. 8. Replace mower drive belt. 9. Reinstall blades sharp edge down. 10. Replace with blades listed in this manual. 11. Clean around mandrels to open vent holes. |
| Headlight(s) not working (if so equipped) | <ol style="list-style-type: none"> 1. Switch is "OFF". 2. Bulb(s) burned out. 3. Faulty light switch. 4. Loose or damaged wiring. 5. Blown fuse. | <ol style="list-style-type: none"> 1. Turn switch "ON". 2. Replace bulb(s). 3. Check/replace light switch. 4. Check wiring and connections. 5. Replace fuse. |
| Battery will not charge | <ol style="list-style-type: none"> 1. Bad battery cell(s). 2. Poor cable connections. 3. Faulty regulator (if so equipped). 4. Faulty alternator. | <ol style="list-style-type: none"> 1. Replace battery. 2. Check/clean all connections. 3. Replace regulator. 4. Replace alternator. |
| Engine "backfires" when turning engine "OFF" | <ol style="list-style-type: none"> 1. Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine. | <ol style="list-style-type: none"> 1. Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine. |

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

SCHEMATIC



IGNITION SWITCH

| POSITION | CIRCUIT |
|----------|---------|
| OFF | M + G |
| ON | B + L |
| START | B + S |

- NON-REMOVABLE CONNECTIONS
- REMOVABLE CONNECTIONS

WIRING INSULATED CLIPS

NOTE: IF WIRING INSULATED CLIPS WERE REMOVED FOR SERVICING OF UNIT, THEY SHOULD BE REPLACED TO PROPERLY SECURE YOUR WIRING

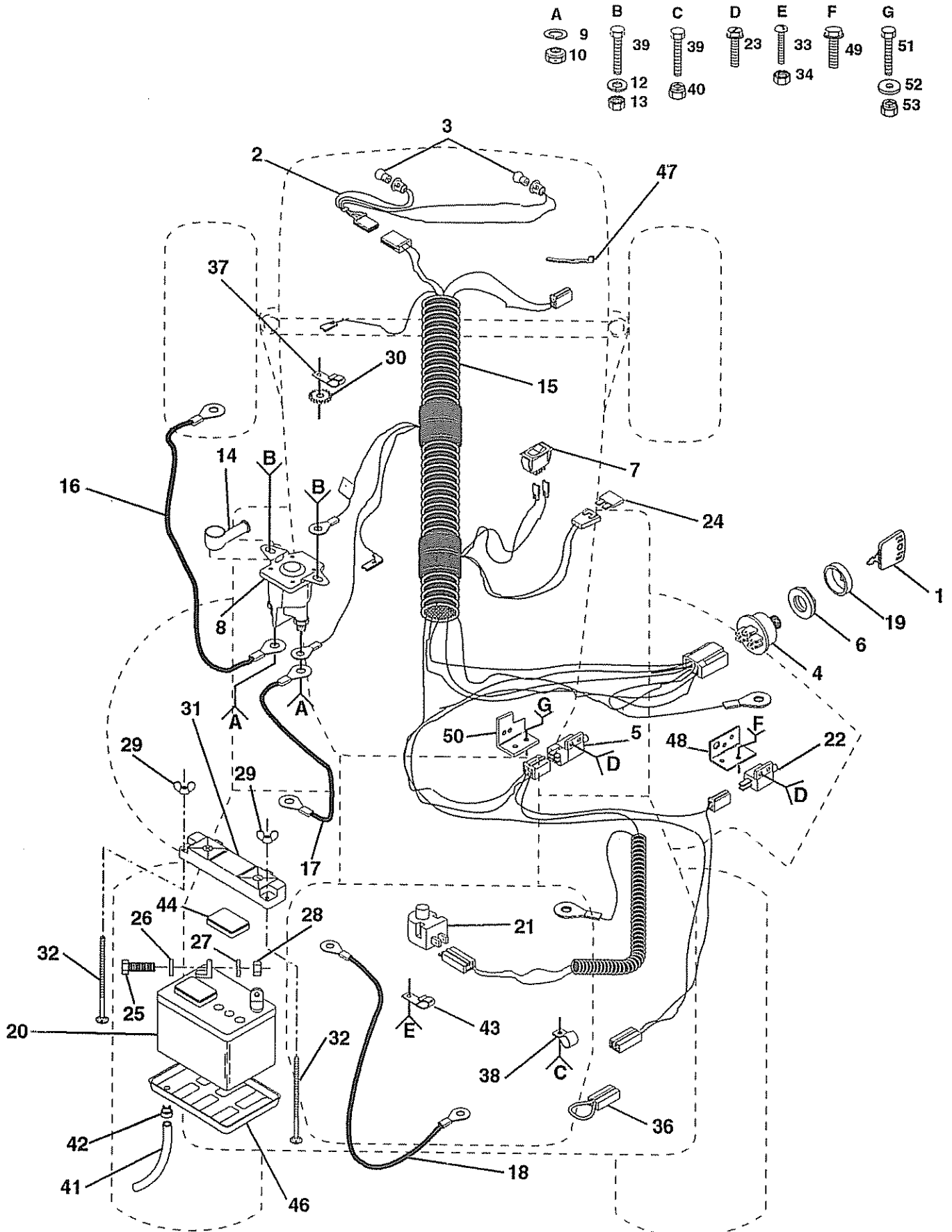
NOTE

YOUR TRACTOR IS EQUIPPED WITH A SPECIAL ALTERNATOR SYSTEM. THE LIGHTS ARE NOT CONNECTED TO THE BATTERY, BUT HAVE THEIR OWN ELECTRICAL SOURCE. BECAUSE OF THIS, THE BRIGHTNESS OF THE LIGHTS WILL CHANGE WITH ENGINE SPEED. AT IDLE THE LIGHTS WILL DIM. AS THE ENGINE IS SPEEDED UP, THE LIGHTS WILL BECOME THEIR BRIGHTEST.

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

ELECTRICAL



REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

ELECTRICAL

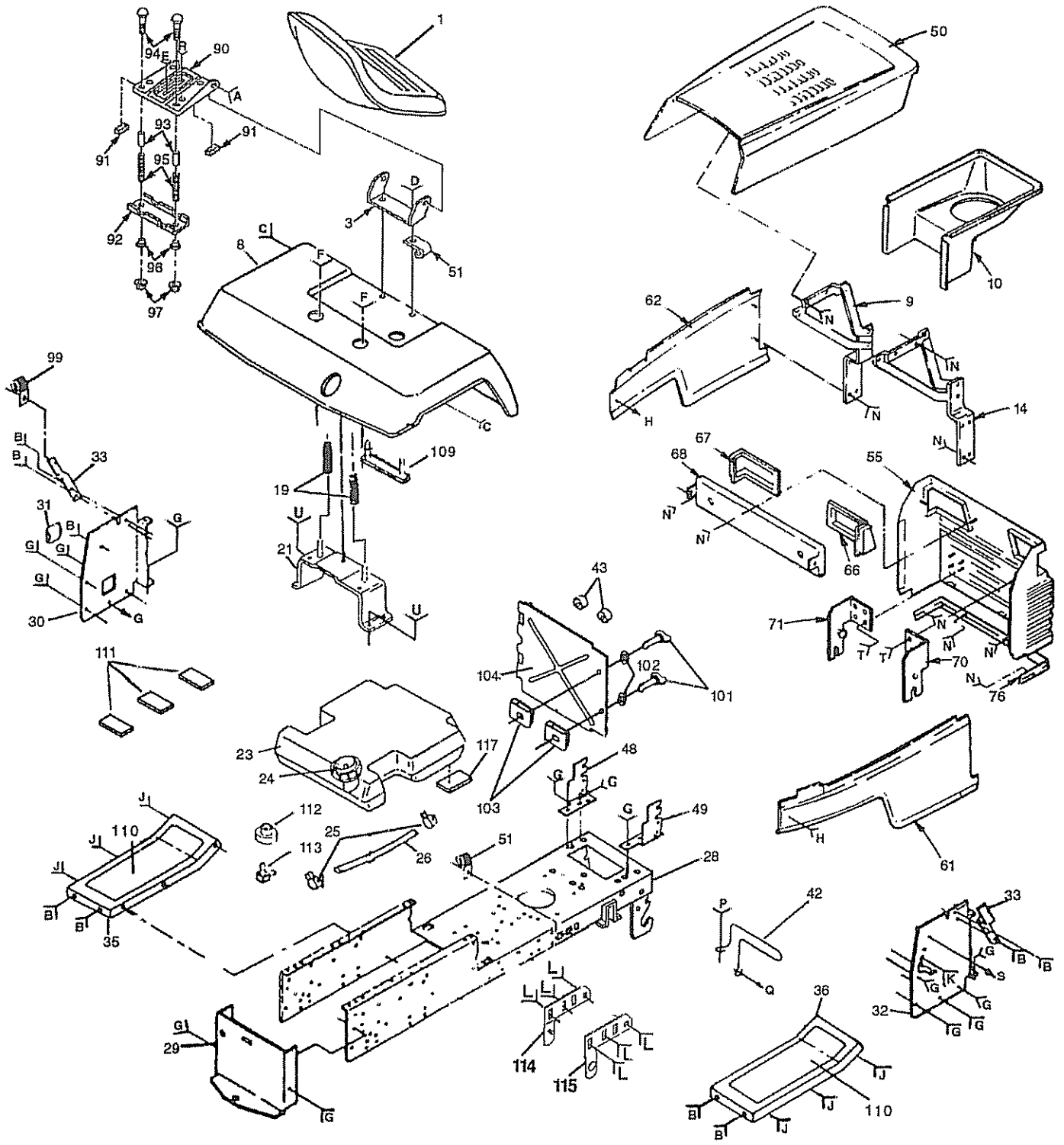
| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|--------------------------------------|---------|----------|----------------------------------|
| 1 | 109310X | Key, Molded | 27 | 10040400 | Washer, Lock 1/4 |
| 2 | 127441X | Harness, Light Socket | 28 | 73220400 | Nut, Hex 1/4-20 |
| 3 | 4152J | Light Bulb | 29 | 123198X | Nut, Wing 1/4-20 |
| 4 | 4406R | Switch, Ignition | 30 | 11050600 | Washer, Lock External Tooth 3/4 |
| 5 | 109553X | Switch, Interlock, Attachment Clutch | 31 | 102476X | Guard, Terminal |
| 6 | 124211X | Nut, Ignition | 32 | 72240460 | Bolt, Carriage 1/4-20 x 7-1/2 |
| 7 | 110712X | Switch, Light | 33 | 74641008 | Screw, Slotted Pan Head #10-32 |
| 8 | 109081X | Solenoid | 34 | 73951000 | Nut, Keps #10-32 |
| 9 | 10090400 | Washer, Lock 1/4 | 36 | 102501X | Wire Loop |
| 10 | 73350400 | Nut, Hex, Jam 1/4-20 | 37 | 2751R | Clip, Fuel Line |
| 12 | 11050400 | Washer, Lock, External Tooth 1/4 | 38 | 235R | Clip, Insulated |
| 13 | 73510400 | Nut, Keps 1/4-20 | 39 | 74780408 | Bolt, Hex 1/4-20 x 1/2 |
| 14 | 131563 | Cover, Terminal | 40 | 73680400 | Nut, Crownlock 1/4-20 |
| 15 | 133253 | Harness, Ignition | 41 | 100541K | Tube |
| 16 | 4799J | Cable, Battery | 42 | 109596X | Clamp, Hose |
| 17 | 4206J | Cable, Battery | 43 | 4171R | Clip, Insulated |
| 18 | 4207J | Cable, Ground | 44 | 121264X | Caps, Battery |
| 19 | 123620X | Cover, Key Switch | 46 | 7603J | Tray, Battery |
| 20 | 121537X | Battery (Includes Electrolyte) | 47 | 7192J | Cable, Tie |
| 21 | 121305X | Switch, Seat | 48 | 108236X | Bracket, Switch |
| 22 | 104445X | Switch, Interlock, Clutch | 49 | 17021008 | Screw, Hex, Tapping #10-24 x 1/2 |
| 23 | 17021008 | Screw, Hex, Tapping #10-24 x 1/2 | 50 | 110923X | Bracket, Mower Clutch |
| 24 | 108824X | Fuse | 51 | 74760616 | Bolt, Hex 3/8-16 x 1 |
| 25 | 74760412 | Bolt, Hex 1/4-20 x 3/4 | 52 | 19131312 | Washer 13/16 x 13/32 x 12 Gauge |
| 26 | 19091016 | Washer 9/32 x 5/8 x 16 Gauge | 53 | 73680600 | Nut, Crownlock 3/8-16 |

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

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

CHASSIS AND ENCLOSURES



- | A | B | C | D | E | F | G | H | J | K | L | N | P | Q | R | S | T | U |
|---|----|----|---|----|-----|----|-----|----|----|-----|----|----|----|----|----|----|----|
| 4 | 13 | 84 | 7 | 5 | 108 | 11 | 105 | 37 | 2 | 116 | 54 | 81 | 74 | 69 | 2 | 98 | 11 |
| 6 | 7 | | | 88 | 20 | | 106 | 7 | 77 | 7 | | 58 | 58 | 7 | 77 | 7 | 12 |
| | | | | 89 | | | 107 | | 7 | | | | 7 | | | | |

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

CHASSIS AND ENCLOSURES

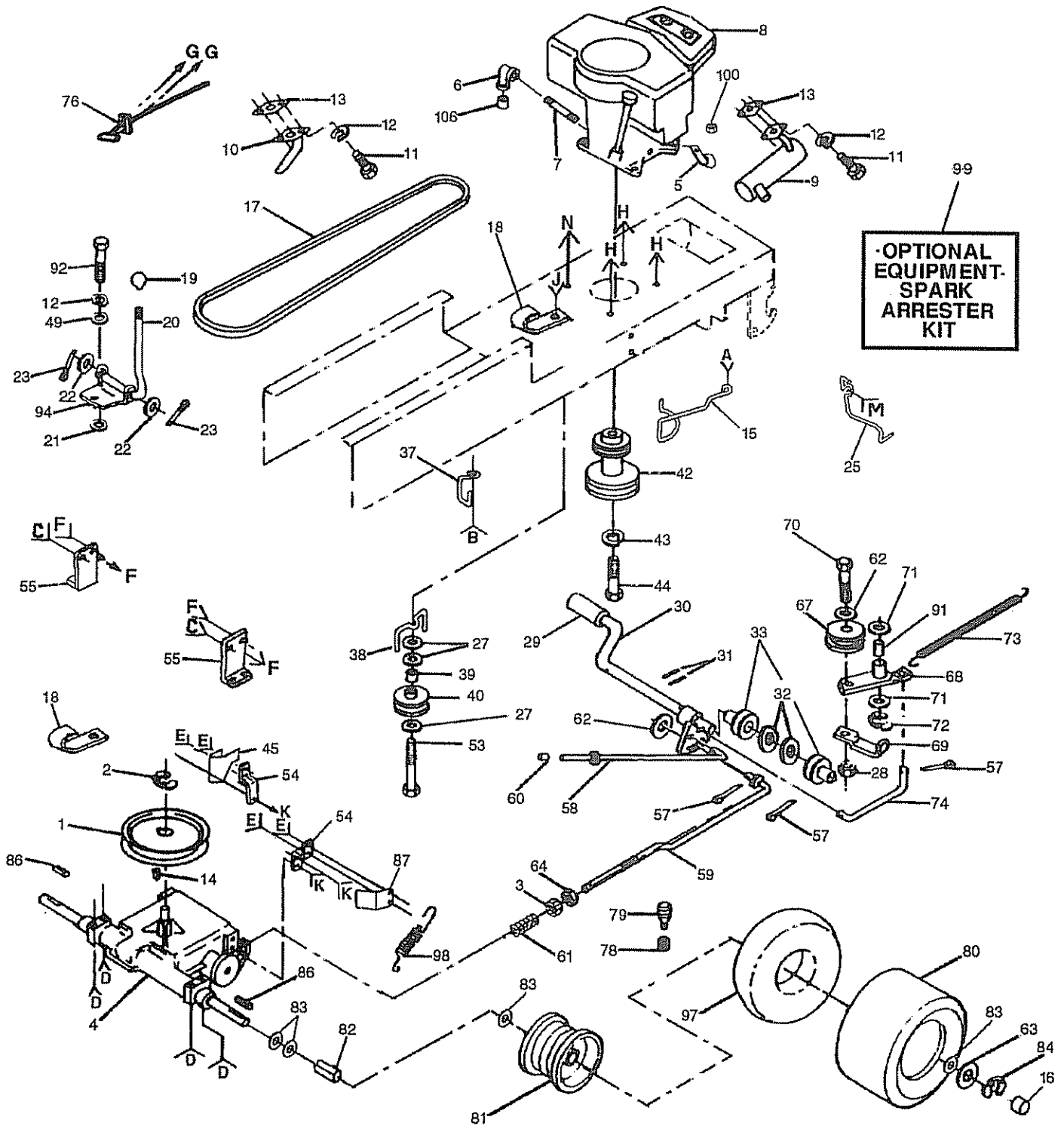
| KEY PART NO. | NO. | DESCRIPTION | KEY PART NO. | NO. | DESCRIPTION |
|--------------|------------|--|--------------|------------|--|
| 1 | 127437 | Seat | 67 | 106004X | Lens, LH |
| 2 | 74760612 | Bolt, Hex, Fin. 3/8-16 x 3/4 | 68 | 132257 | Bezel, Headlight |
| 3 | 126656X | Bracket, Pivot, Seat | 69 | 127018X | Bolt, Shoulder |
| 4 | 105529X | Bolt, Shoulder 5/16-18 | 70 | 108512X | Bracket, Pivot, RH |
| 5 | 74780814 | Bolt, Hex 1/2-13 x 7/8 | 71 | 108513X | Bracket, Pivot, LH |
| 6 | 73510500 | Nut, Keps 5/16-18 | 74 | 72110608 | Bolt, Carriage 3/8-16 x 1 |
| 7 | 73680600 | Nut, Crownlock 3/8-16 | 76 | 110350X417 | Assembly, Strap, Grill |
| 8 | 121642X417 | Fender | 77 | 11050600 | Washer, Lock, External Tooth 3/8 |
| 9 | 106090X | Hinge, Hood LH | 81 | 17490616 | Screw, Hex Washer Head, Thd., Roll. 3/8-16 x 1 |
| 10 | 105953X | Air Duct | 84 | 17490608 | Screw, Hex Washer Head, Thd., Roll. 3/8-16 x 1/2 |
| 11 | 17490612 | Screw, Hex Washer Head, Thd., Roll. 3/8-16 x 3/4 | 88 | 10040800 | Washer, Lock 1/2 |
| 12 | 19131312 | Washer 13/32 x 13/16 x 12 Gauge | 89 | 19171912 | Washer 17/32 x 1-3/16 x 12 Gauge |
| 13 | STD523707 | Bolt, Hex 3/8-16 x 3/4 | 90 | 131451 | Pan, Seat |
| 14 | 106091X | Hinge, Hood RH | 91 | 121251X | Strip, Foam |
| 19 | 124181X | Spring, Compression | 92 | 121246X | Bracket, Switch Mount |
| 20 | 19131614 | Washer 13/32 x 1 x 14 Gauge | 93 | 121249X | Spacer, Split |
| 21 | 105509X | Bracket, Fender | 94 | 72050411 | Bolt, Carriage 1/4-20 x 1-1/4 |
| 23 | 127334X | Tank, Fuel | 95 | 121250X | Spring, Compression |
| 24 | 123549X | Cap, Fuel | 96 | 121248X | Bushing, Snap |
| 25 | 123487X | Clamp, Hose | 97 | 123976X | Nut, Flange, Large, Hex |
| 26 | 5277J | Fuel Line | 98 | 120579X | Pal Nut |
| 28 | 135034 | Assembly, Chassis | 99 | 5320R | Clip, Insulated |
| 29 | 130805 | Drawbar | 101 | 123650X | Stud, 1/4 Turn |
| 30 | 124118X | Panel, Dash, LH | 102 | 105838X | Retainer, 1/4 Turn |
| 31 | 121794X | Cover, Access | 103 | 105839X | Receptical, 1/4 Turn |
| 32 | 133748 | Panel, Dash, RH | 104 | 133747 | Shield, Heat |
| 33 | 105525X | Bracket, Support, Dash | 105 | 106909X | Screw, Special |
| 35 | 105465X417 | Footrest, LH | 106 | 106910X | Washer |
| 36 | 105464X417 | Footrest, RH | 107 | 108402X | U-Clip |
| 37 | 72110606 | Bolt, Carriage 3/8-16 x 3/4 | 108 | 17490612 | Screw, Thd., Roll. 3/8-16 x 3/4 |
| 42 | 135029 | Guard, Muffler | 109 | 105511X | Strap Assembly, Fender |
| 43 | 110436X | Grommet, Split | 110 | 105466X | Pad, Footrest |
| 48 | 109015X | Bracket, Pivot, LH | 111 | 106082X | Pad, Spacer |
| 49 | 109016X | Bracket, Pivot, RH | 112 | 3645J | Bushing |
| 50 | 106013X417 | Hood | 113 | 8710J | Stem, Fuel Tank |
| 51 | 2751R | Clip, Fuel | 114 | 134774 | Bracket, Pivot, LH |
| 54 | 108067X | Pal Nut | 115 | 134775 | Bracket, Pivot, RH |
| 55 | 105528X | Grill | 116 | 72140606 | Bolt, Carriage 3/8-16 x 3/4 |
| 58 | 19131616 | Washer 13/32 x 1 x 16 Gauge | 117 | 109227X | Pad, Spacer |
| 61 | 108403X417 | Panel, Side, RH | | | |
| 62 | 108410X417 | Panel, Side, LH | | | |
| 66 | 106003X | Lens, RH | | | |

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

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

DRIVE



OPTIONAL EQUIPMENT-
SPARK ARRESTER
KIT

- | A | B | C | D | E | F | G | H | J | K | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

DRIVE

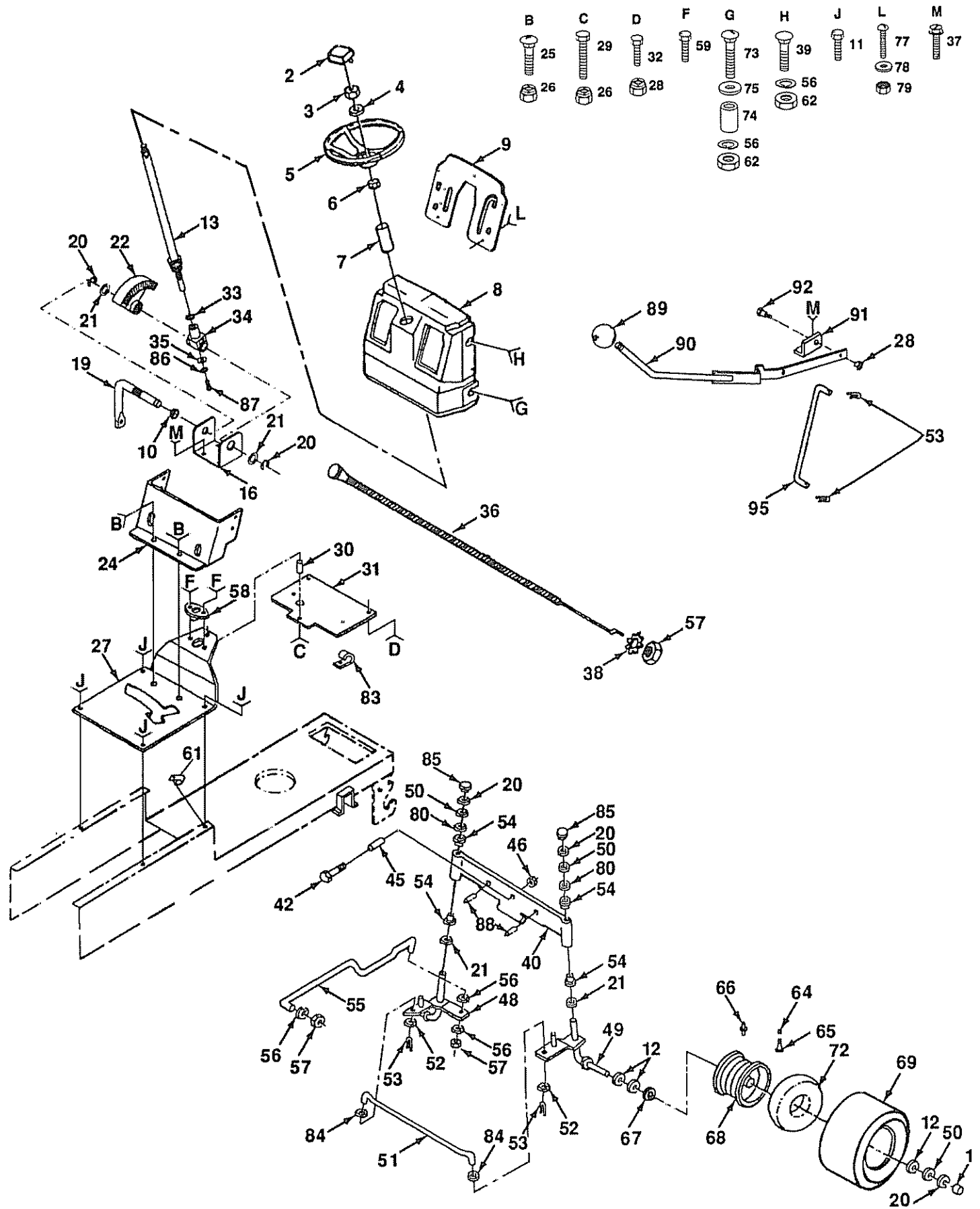
| KEY PART NO. NO. | DESCRIPTION | KEY PART NO. NO. | DESCRIPTION |
|------------------|--|------------------|---|
| 1 123667X | Pulley, Transaxle | 57 76020412 | Pin, Cotter 1/8 x 3/4 |
| 2 12000028 | Ring, Retainer | 58 133261 | Rod, Parking Brake |
| 3 73800600 | Locknut, Hex, with Washer Insert 3/8-16 | 59 130804 | Rod, Brake |
| 4 136193 | Transaxle, Dana, 5 Speed, Model Number 4360-42 | 60 124236X | Cap |
| 5 126470X | Clip, Insulated | 61 106888X | Spring, Brake Rod |
| 6 13200300 | Elbow, STD 90°, 3/8-18 | 62 19131316 | Washer 13/32 x 13/16 x 16 Gauge |
| 7 13280336 | Nipple, Pipe | 63 121748X | Washer 25/32 x 1-5/8 x 16 Gauge |
| 8 132415 | Engine, Briggs & Stratton, 18 HP, Model #422707, Type #1516-01 | 64 73350600 | Nut, Hex, Jam 3/8-16 |
| 9 108373X | Muffler | 67 127783 | Pulley, Idler |
| 10 100229L | Tube Assembly, Exhaust | 68 123789X | Arm, Idler |
| 11 74780412 | Bolt, Hex 1/4-20 x 3/4 | 69 123205X | Retainer, Belt |
| 12 10040400 | Washer, Lock 1/4 | 70 74760624 | Bolt, Hex 3/8-16 x 1-1/2 |
| 13 8545J | Gasket | 71 110812X | Washer, Hardened |
| 14 2228M | Key, Woodruff #9 | 72 12000039 | Ring, Klip |
| 15 129921 | Keeper, Belt, Engine | 73 105709X | Spring, Return, Clutch |
| 16 104757X | Cap, Axle | 74 105710X | Link, Clutch |
| 17 131006 | V-Belt, Drive | 76 132755 | Control, Throttle |
| 18 2751R | Clip | 77 17720410 | Screw, Hex Head, Thread Cutting 1/4-20 x 5/8 |
| 19 106933X | Knob | 78 59192 | Cap, Valve |
| 20 131679 | Rod, Shifter | 79 65139 | Stem, Valve |
| 21 105701X | Washer, Shaft Plate | 80 124632X | Tire, Rear |
| 22 19151216 | Washer 15/32 x 3/4 x 16 Gauge | 81 106108X361 | Rim |
| 23 76020416 | Pin, Cotter 1/8 x 1 | 82 109502X | Spacer, Split |
| 24 17490612 | Screw, Hex Washer Head, Thd., Roll. 3/8-16 x 3/4 | 83 121749X | Washer 25/32 x 1-1/4 x 16 Gauge |
| 25 134683 | Keeper, Belt, Engine | 84 12000001 | E-Ring |
| 26 74760612 | Bolt, Hex 3/8-16 x 3/4 | 86 123583X | Key, Square 2.5 x .1845/.1865 |
| 27 19131312 | Washer 13/32 x 13/16 x 12 Gauge | 87 127290 | Keeper, Belt, RH |
| 28 73680600 | Nut, Crownlock 3/8-16 | 88 17490624 | Bolt, Hex Washer Head, Thd., Roll. 3/8-16 x 1-1/2 |
| 29 8883R | Cover, Pedal | 89 17490512 | Screw, Hex Washer Head, Thd., Roll. 5/16-18 x 3/4 |
| 30 122424X | Shaft, Foot Pedal | 90 74760616 | Bolt, Hex 3/8-16 x 1 |
| 31 1572H | Pin, Roll 3/16 x 1 | 91 105706X | Bearing |
| 32 19211616 | Washer 21/32 x 1 x 16 Gauge | 92 71040412 | Bolt, Hex 1/4-28 x 3/4 |
| 33 120183X | Bearing, Nylon | 94 130802 | Bracket, Saddle Shift |
| 37 136715 | Keeper, Chassis, Center Span Belt | 97 7152J | Tube (Optional, Service Item Only) |
| 38 109070X | Keeper, Belt | 98 110422X | Spring, Return, Brake |
| 39 4470J | Spacer | 99 132922 | Kit, Spark Arrester |
| 40 123674X | Idler, Flat | 100 73510600 | Nut, Keps 3/8-16 |
| 42 134825 | Pulley, Engine | 101 11050600 | Washer, Lock, External Tooth 3/8 |
| 43 10040700 | Washer, Lock 7/16 | 102 74760544 | Bolt, Hex, Fin. 5/16-18 UNC x 2-3/4 |
| 44 71170764 | Bolt, Hex 7/16-20 x 4 | 103 73680500 | Nut, Crownlock 5/16-18 |
| 45 127289 | Keeper, Belt, LH | 104 74760512 | Bolt, Hex Head 5/16-18 x 3/4 |
| 49 19091210 | Washer 9/32 x 3/4 x 10 Gauge | 106 - - - | Plug, Oil Drain (Order from Engine Manufacturer) |
| 53 74760644 | Bolt, Hex 3/8-16 x 2-3/4 | 107 19132012 | Washer 13/32 x 1-1/4 x 12 Gauge |
| 54 121520X | Strap, Torque | | |
| 55 130807 | Bracket, Transaxle | | |

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

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

STEERING ASSEMBLY



REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

STEERING ASSEMBLY

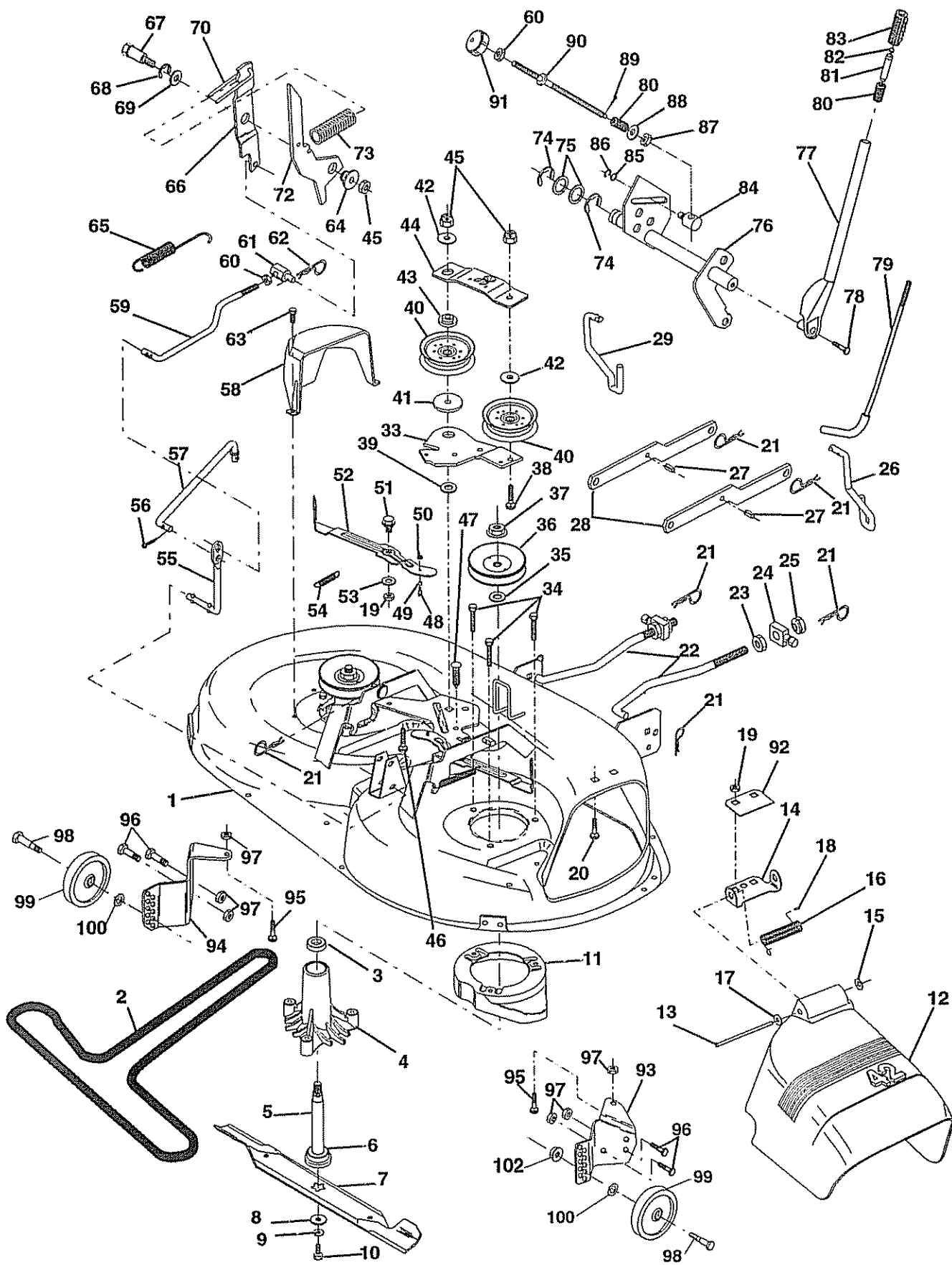
| KEY PART NO. NO. | DESCRIPTION | KEY PART NO. NO. | DESCRIPTION |
|------------------|-------------|------------------|-------------|
| 1 | 104757X | 48 | 135227 |
| 2 | 133742 | 49 | 135228 |
| 3 | 73940800 | 50 | 121748X |
| 4 | 100712K | 51 | 130465 |
| 5 | 133741 | 52 | 19131416 |
| 6 | 100711L | 53 | 76020412 |
| 7 | 106015X | 54 | 3366R |
| 8 | 120028X | 55 | 130468 |
| 9 | 129621X011 | 56 | 10040600 |
| 10 | 109816X | 57 | 73610600 |
| 11 | 17490608 | 58 | 1554J |
| | | 59 | 17431008 |
| 12 | 121749X | 61 | 2751R |
| 13 | 128755 | 62 | 73220600 |
| 16 | 124036X | 64 | 59192 |
| 19 | 127501 | 65 | 65139 |
| 20 | 12000029 | 66 | 278H |
| 21 | 6266H | 67 | 9040H |
| 22 | 124034X | 68 | 106732X361 |
| 24 | 105518X | 69 | 106222X |
| 25 | 74180512 | 72 | 59904 |
| | | 73 | 72110622 |
| 26 | 73680500 | 74 | 121235X |
| 27 | 131005X010 | 75 | 19131416 |
| 28 | 73680600 | 77 | 74180412 |
| 29 | 74760532 | 78 | 19091216 |
| 30 | 121236X | 79 | 73510400 |
| 31 | 128231 | 80 | 19272016 |
| 32 | 74760612 | 83 | 5320R |
| 33 | 57079 | 84 | 120754X |
| 34 | 124035X | 85 | 121232X |
| 35 | 126684X | 86 | 10040400 |
| 36 | 132779 | 87 | 71070410 |
| 37 | 17490612 | | |
| | | 88 | 132624 |
| 38 | 11050600 | 89 | 106933X |
| | | 90 | 110924X |
| 39 | 72110608 | 91 | 131671 |
| 40 | 131450 | 92 | 106451X |
| 42 | 74011056 | 95 | 131291 |
| 45 | 110438X | | |
| 46 | 73601000 | | |

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

REPAIR PARTS

18 HP 42" TRACTOR -- MODEL NUMBER 917.258492

42" MOWER DECK



REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

42" MOWER DECK

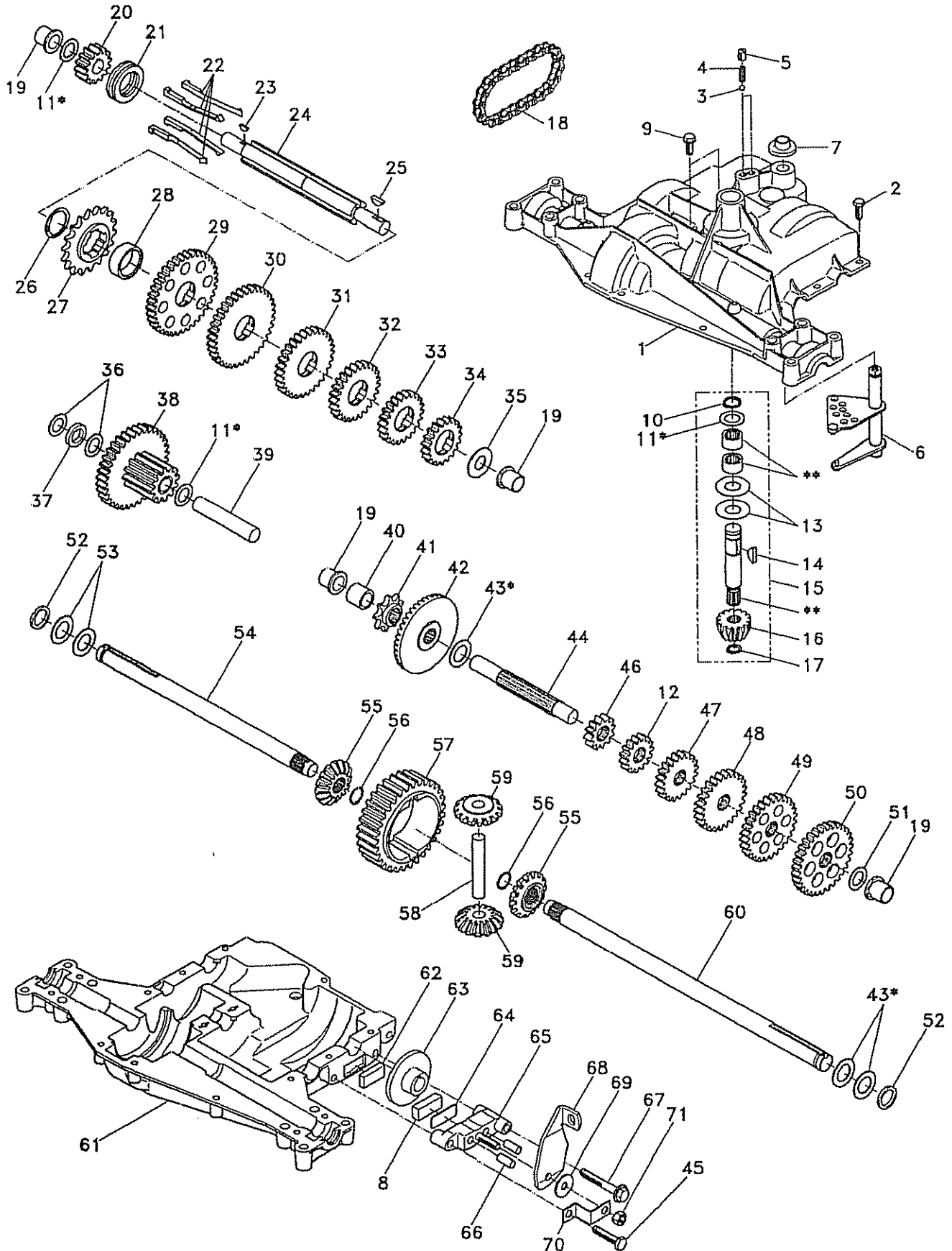
| KEY PART NO. | NO. | DESCRIPTION | KEY PART NO. | NO. | DESCRIPTION |
|--------------|----------|--|--------------|----------|--|
| 1 | 130970 | Mower Deck Assembly, 42" | 56 | 76020312 | Pin, Cotter 3/32 x 3/4 |
| 2 | 130969 | V-Belt, 42" Mower | 57 | 133504 | Rod, Clutch, Secondary, with Nibs |
| 3 | 110485X | Ball Bearing, Mandrel | 58 | 134236 | Guard, Mandrel, LH |
| 4 | 128774 | Housing, Mandrel, Vented | 59 | 134666 | Rod, Clutch, Primary, with Nibs |
| 5 | 133172 | Shaft Assembly, Mandrel, Vented (Includes Key Number 6) | 60 | 73350600 | Nut, Hex, Jam 3/8-16 UNC |
| 6 | 129895 | Ball Bearing, #6204 | 61 | 133205 | Trunnion, Adjustment 3/8-16 UNC x 1.30 |
| 7 | 127843 | Blade, High Lift, 42" Mower | 62 | 4497H | Spring, Retainer |
| 8 | 129962 | Washer, Hardened | 63 | 17720410 | Screw, Hex, Thread Cutting 1/4-20 x 5/8 |
| 9 | 10030600 | Washer, Lock, Heavy Helical Spring 3/8 | 64 | 127498 | Bushing |
| 10 | 850857 | Bolt 3/8-24 x 1-1/4 Grade 8 | 65 | 133435 | Spring, Extension, Return |
| 11 | 128961 | Stripper, Mower, Vented | 66 | 127847 | Arm, Clutch, Secondary |
| 12 | 130968 | Shield, Deflector | 67 | 128903 | Bolt, Shoulder 3/8-16 UNC 1.44 |
| 13 | 131491 | Rod, Hinge | 68 | 12000029 | Ring, Klip |
| 14 | 131267 | Bracket, Deflector | 69 | 121748X | Washer 25/32 x 1-5/8 x 16 Gauge |
| 15 | 110452X | Nut, Push | 70 | 127845 | Keeper, Spring |
| 16 | 123713X | Spring, Torsion, Deflector | 72 | 127846 | Arm, Clutch, Primary |
| 17 | 19111016 | Washer 11/32 x 5/8 x 16 Gauge | 73 | 128759 | Spring, Clutch, Mower |
| 18 | 105304X | Cap, Sleeve | 74 | 12000022 | E-Ring #5166-87 |
| 19 | 73510500 | Nut, Keps 5/16-18 | 75 | 19292016 | Washer 29/32 x 1-1/4 x 16 Gauge |
| 20 | 72140506 | Bolt, Carriage 5/16-18 x 3/4 | 76 | 131925 | Shaft Assembly, Lift |
| 21 | 4939M | Retainer, Spring | 77 | 121002X | Lever Assembly, Lift |
| 22 | 127218 | Link, Front | 78 | 74780624 | Bolt, Hex, Fin. 3/8-16 UNC x 1-1/2 |
| 23 | 73350800 | Nut, Hex, Jam 1/2-13 UNC | 79 | 121006X | Rod Assembly, Lever |
| 24 | 130171 | Trunnion | 80 | 2876H | Spring 2-1/8 |
| 25 | 73800800 | Locknut, with Washer Insert 1/2-13 | 81 | 122364X | Plunger, Lift Lever |
| 26 | 135388 | Link, Lift, RH | 82 | 122365X | Button, Plunger, Red |
| 27 | 135563 | Pin, Roll | 83 | 125631X | Grip, Handle, Fluted |
| 28 | 130833 | Arm, Suspension, Rear | 84 | 110810X | Trunnion, Depth Stop |
| 29 | 134619 | Link, Lift, LH | 85 | 19151216 | Washer 15/32 x 3/4 x 16 Gauge |
| 33 | 133844 | Arm, Idler | 86 | 12000037 | Ring, Klip #T5304-37 |
| 34 | 78158 | Bolt 5/16-18 x 1-1/4 T/T | 87 | 110807X | Nut, Special |
| 35 | 129963 | Washer, Spacer | 88 | 19131016 | Washer 13/32 x 5/8 x 16 Gauge |
| 36 | 129861 | Pulley, Mandrel | 89 | 76020308 | Pin, Cotter 3/32 x 1/2 |
| 37 | 73050900 | Nut, Top-Lock 9/16 | 90 | 110729X | Rod, Lift Adjustment |
| 38 | 72110614 | Bolt, Carriage 3/8-16 UNC x 1-3/4 Grade 5 | 91 | 100734K | Knob, Infinite Height Adjustment, Black 3/8-16 UNC |
| 39 | 133943 | Washer, Hardened | 92 | 134753 | Stiffener, Deflector Bracket |
| 40 | 131494 | Pulley, Idler, Flat | 93 | 132262 | Bracket, Gauge Wheel, RH |
| 41 | 122052X | Spacer, Retainer | 94 | 132263 | Bracket, Gauge Wheel, LH |
| 42 | 19131612 | Washer 13/32 x 1 x 12 Gauge | 95 | 72110504 | Bolt, Carriage 5/16-18 x 1/2 |
| 43 | 133502 | Spacer, Idler Arm, Upper | 96 | 74760512 | Bolt, Hex 5/16-18 x 3/4 |
| 44 | 133503 | Stiffener, Idler Arm, Upper | 97 | 73680500 | Nut, Crownlock 5/16-1 UNC |
| 45 | 73680600 | Nut, Crownlock 3/8-16 UNC | 98 | 134249 | Bolt, Shoulder |
| 46 | 72110618 | Bolt, Carriage 3/8-16 x 2-1/4 | 99 | 105455X | Wheel, Gauge, Black |
| 47 | 133835 | Fastener, Christmas Tree | 100 | 19171512 | Washer 17/32 x 15/16 x 12 Gauge |
| 48 | 131340 | Bolt, Shoulder #10-24 Grade 5 | 102 | 73800600 | Nut, Nylock 3/8-16 UNC |
| 49 | 133940 | Roller Assembly, Cam Follower | -- | 130794 | Mandrel Assembly (Includes Key Numbers 3-6, 8-10, 35 and 37) |
| 50 | 69180 | Locknut #10-24 UNC | -- | 136322 | Mower Deck, 42" (Does Not Include Gauge Wheels and Brackets, or Lift System) |
| 51 | 105529X | Bolt, Shoulder 5/16-18 UNC | | | |
| 52 | 131845 | Arm Assembly, Brake Pad | | | |
| 53 | 133944 | Washer, Hardened | | | |
| 54 | 131335 | Spring, Extension | | | |
| 55 | 133551 | Rod, Pivot, with Nibs | | | |

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

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

DANA TRANSAXLE - - MODEL NUMBER 4360-42



REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

DANA TRANSAXLE - - MODEL NUMBER 4360-42

| KEY PART NO. NO. | DESCRIPTION | KEY PART NO. NO. | DESCRIPTION |
|------------------|---|------------------|---|
| 1 | 124643X Housing, Upper | 42 | 106605X Gear, Bevel, 42 Teeth |
| 2 | 2274J Screw, Tapping, Large 1/4-20 x .734 | 43 | 134394 * Assembly, Kit, Shim, .750 Shaft |
| 3 | 134400 Ball, Detent | 44 | 120473X Shaft, Drive |
| 4 | 105904X Spring, Detent | 45 | 106596X Screw, Tapping, Large 5/16-18 x 1.44 |
| 5 | 105905X Screw, Set | 46 | 105933X Gear, Spur, 12 Teeth |
| 6 | 134788 Kit, Shifter Assembly | 47 | 106589X Gear, Spur, 25 Teeth |
| 7 | 134399 Boot, Shifter | 48 | 120408X Gear, Spur, 28 Teeth |
| 8 | 120951X Puck, Friction | 49 | 105937X Gear, Spur, 31 Teeth |
| 9 | 134791 Screw, Tapping, w/Sealer | 50 | 105936X Spacer .781 x 1.00 x .375 |
| 10 | 2267J Ring, Retaining | 51 | 2226J Washer, Plain .632 x 1.00 x .060 |
| 11 | 134793 * Assembly, Kit, Shim, .625 Shaft | 52 | 134401 Washer, Neoprene |
| 12 | 124641X Gear, Spur, 20 Teeth | 53 | 2264J Washer, Plain .758 x 1.25 x .031 |
| 13 | 120415X Washer, Plain .632 x 1.38 x .046 | 54 | 120474X Axle, Left Hand |
| 14 | 2257J Key, Woodruff, #9 | 55 | 120409X Gear, Miter, 15 Teeth |
| 15 | 106846X Assembly, Kit, Input Shaft | 56 | 105941X Ring, Retaining |
| 16 | 106095X Pinion, Bevel, 14 Teeth | 57 | 110071X Gear, Spur, 32 Teeth |
| 17 | 105909X Ring, Retaining | 58 | 120952X Shaft, Cross |
| 18 | 105910X Chain, 24 Pitches | 59 | 106592X Gear, Miter, 15 Teeth |
| 19 | 105911X Bearing, Flange | 60 | 120475X Axle, Right Hand |
| 20 | 108976X Gear, Spur, 14 Teeth | 61 | 134798 Housing, Lower |
| 21 | 105913X Collar, Clutch | 62 | 120961X Puck, Friction |
| 22 | 120468 Key, Clutch | 63 | 7294J Disc, Brake |
| 23 | 2242J Key, Woodruff, #3 | 64 | 108989X Spacer |
| 24 | 124638X Shaft, Intermediate | 65 | 120953X Jaw, Brake |
| 25 | 2244J Key, Woodruff, #61 | 66 | 120954X Pin, Dowel |
| 26 | 105916X Ring, Retaining | 67 | 134799 Screw, Tapping 5/16-18 x 2.25 |
| 27 | 120470X Sprocket, 18 Teeth | 68 | 108992X Lever, Actuating |
| 28 | 110070X Spacer | 69 | 108996X Washer, Plain .321 x 1.00 x .055 |
| 29 | 108977X Gear, Spur, 37 Teeth | 70 | 120956X Bracket, Anti-Rotation |
| 30 | 124644X Gear, Spur, 30 Teeth | 71 | 73810500 Locknut 5/16-24 |
| 31 | 108980X Gear, Spur, 25 Teeth | 72 | 120416X Grease |
| 32 | 120406X Gear, Spur, 22 Teeth | | |
| 33 | 134796 Gear, Spur, 19 Teeth | | |
| 34 | 134797 Spacer 1.133 x 1.50 x .375 | | |
| 35 | 105925X Washer, Plain .640 x 1.37 x .061 | | |
| 36 | 2232J Washer, Plain .632 x 1.00 x .026 | | |
| 37 | 108978X Spacer .630 x 1.00 x .169 | | |
| 38 | 110079X Assembly, Gear, Combination, 12 Teeth and 35 Teeth | | |
| 39 | 124639X Shaft, Idler | | |
| 40 | 120472X Spacer .633 x .87 x .755 | | |
| 41 | 105928X Sprocket, 9 Teeth | | |

* Use in various combinations to maintain proper clearances.

** Order Key Number 15.

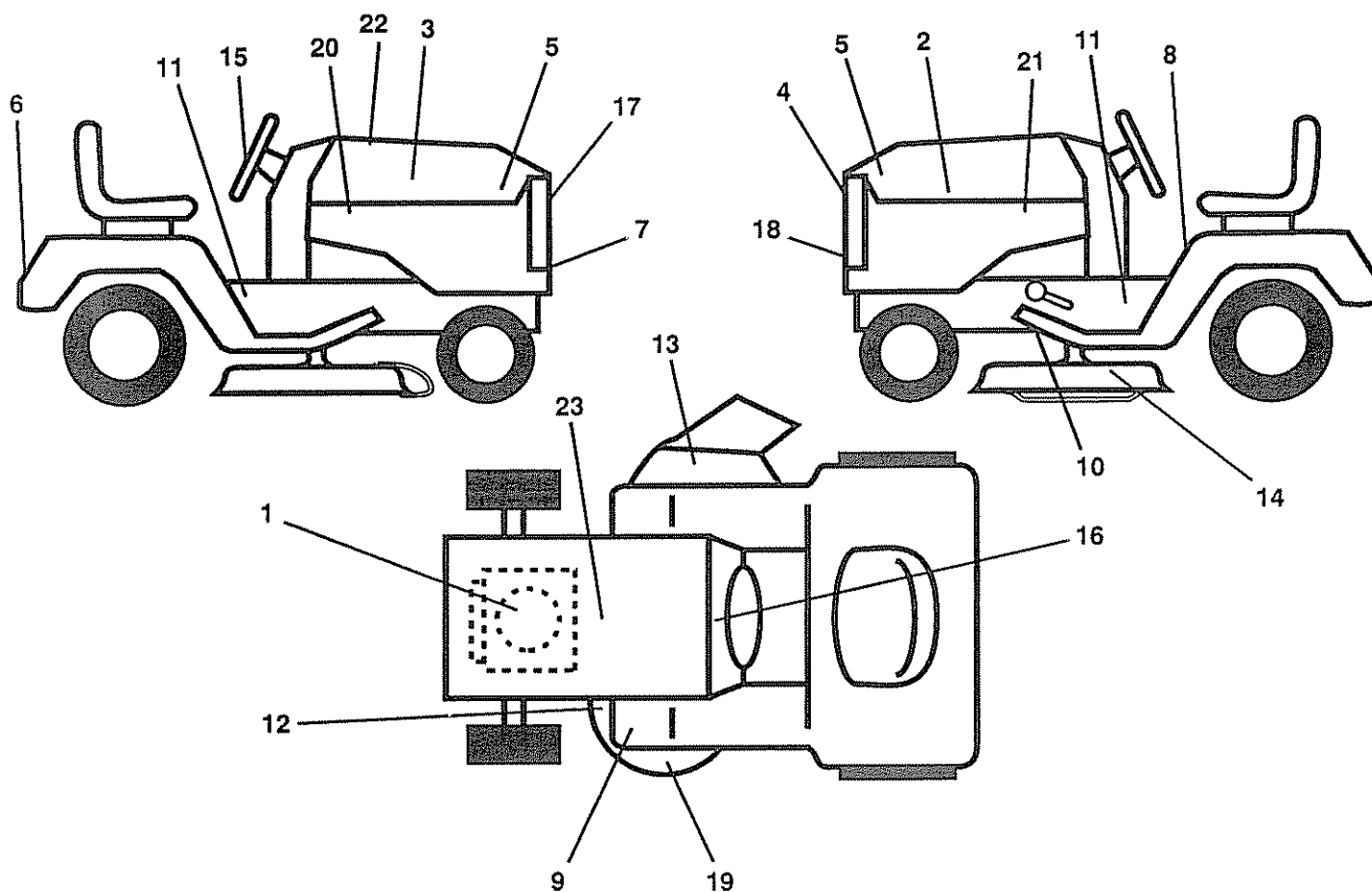
*** Lubricate with Aerospace Lubricant, Inc. PC-8 Oil or equivalent.

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

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

DECALS



KEY PART NO. NO.

DESCRIPTION

KEY PART NO. NO.

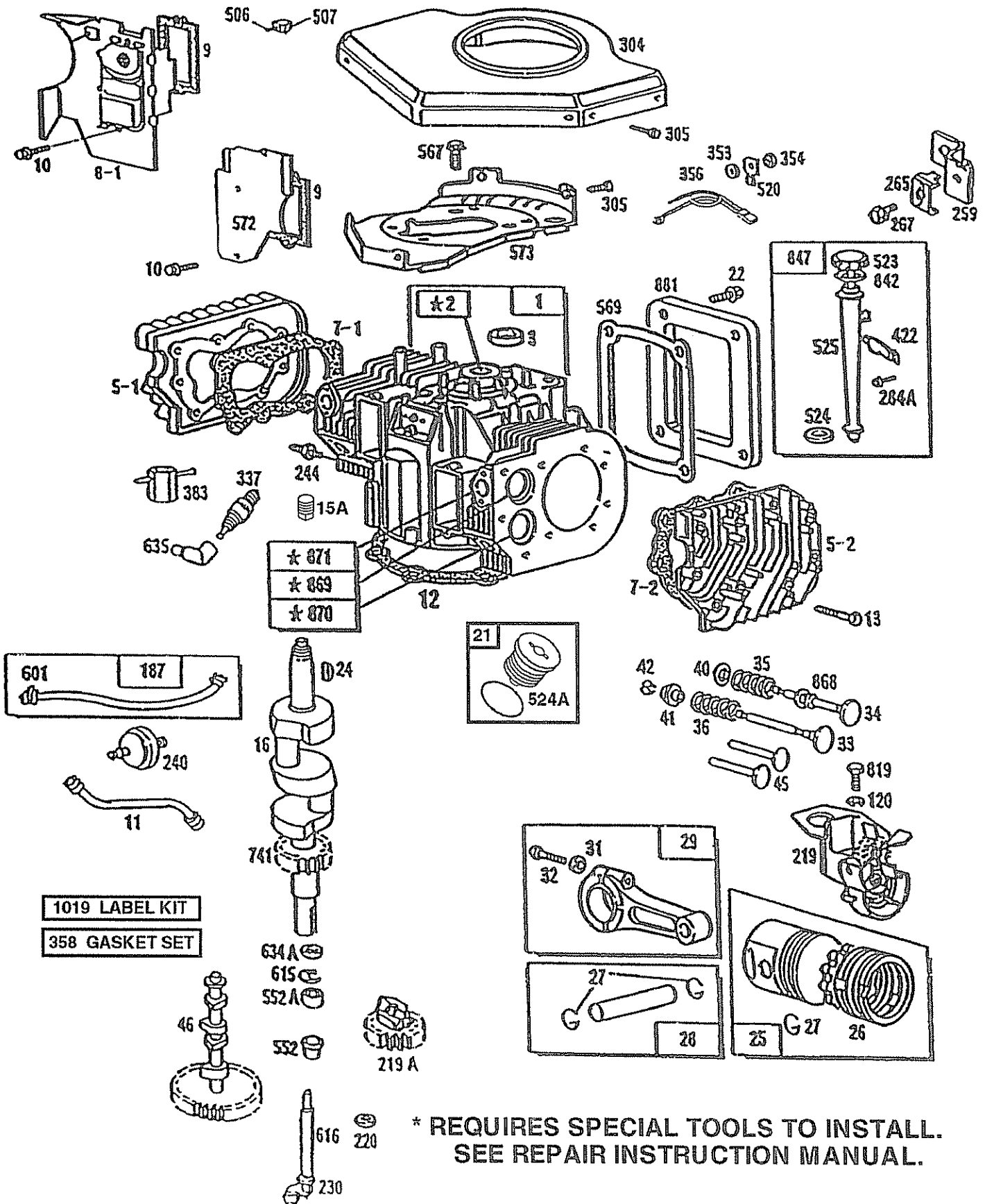
DESCRIPTION

| | | | | | |
|----|---------|-------------------------|----|---------|---------------------------------------|
| 1 | 136128 | Decal, Engine | 13 | 121343X | Decal, Danger |
| 2 | 130600 | Decal, Hood, Stripe, LH | 14 | 3713J | Decal, Rotating Blades |
| 3 | 130599 | Decal, Hood, Stripe, RH | 15 | 132269 | Decal, Steering Wheel |
| 4 | 105568X | Decal, Grill, Stripe | 16 | 108456X | Decal, Operating Instructions |
| 5 | 126312X | Decal, Hood, HP | 17 | 105806X | Decal, Logo, Grill |
| 6 | 105801X | Decal, Fender | 18 | 128260 | Decal, Model, Grill |
| 7 | 133110 | Decal, U.S.A. | 19 | 133179 | Decal, QC System |
| 8 | 133796 | Decal, Caution | 20 | 106814X | Decal, Stripe, Side Panel, RH |
| 9 | 4900J | Decal, Clutch/Brake | 21 | 106813X | Decal, Stripe, Side Panel, LH |
| 10 | 109199X | Decal, V-Belt Drive | 22 | 133644 | Decal, Maintenance, Sears Domestic |
| 11 | 133139 | Decal, Chassis | 23 | 135919 | Decal, Battery Cable, 30 Amp. Min. |
| 12 | 136832 | Decal, Mower Drive Belt | -- | 135509 | Manual, Owner's |

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

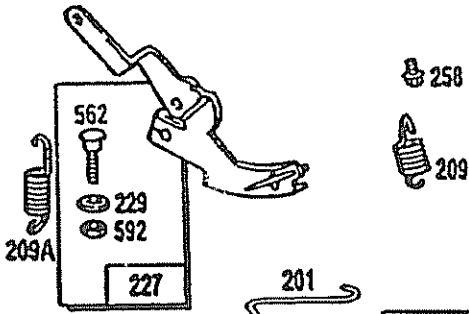
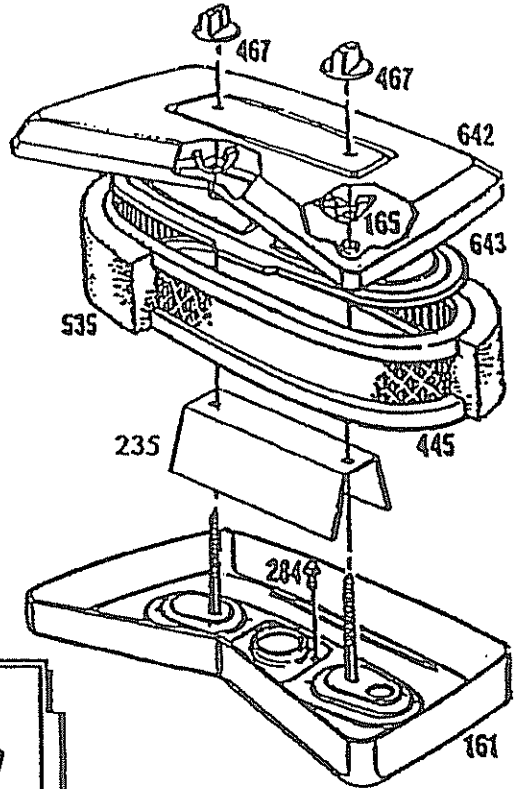
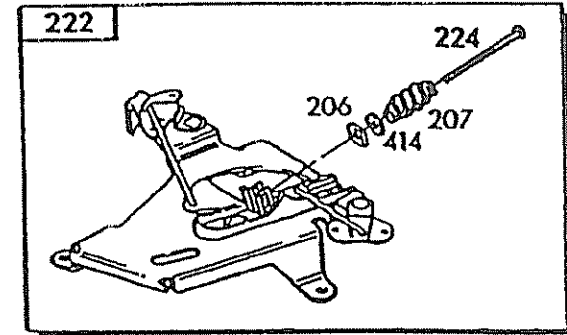
BRIGGS & STRATTON ENGINE - - MODEL NUMBER 422707, TYPE NUMBER 1516-01



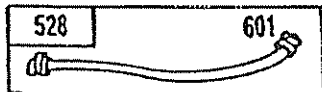
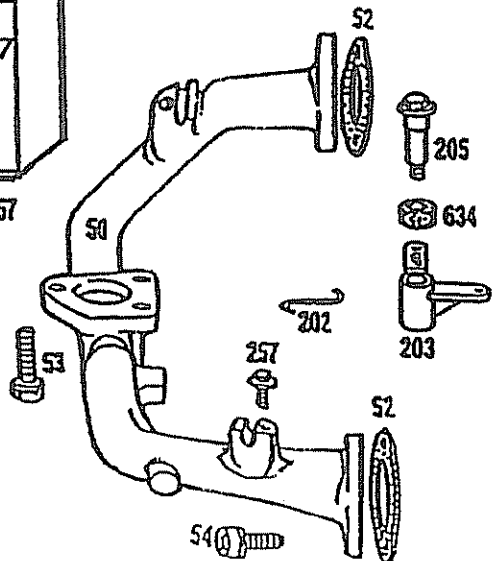
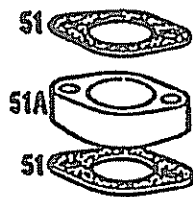
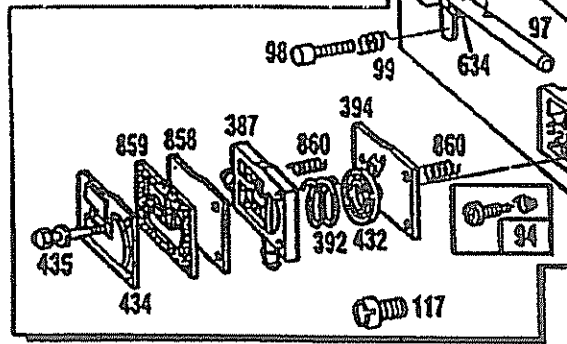
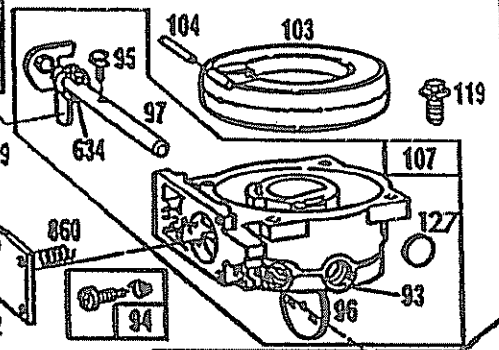
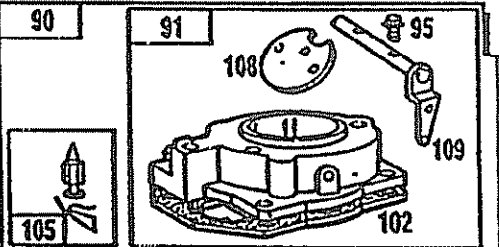
REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

BRIGGS & STRATTON ENGINE - - MODEL NUMBER 422707, TYPE NUMBER 1516-01



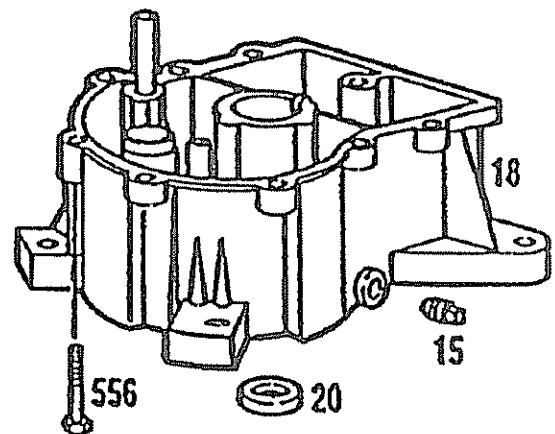
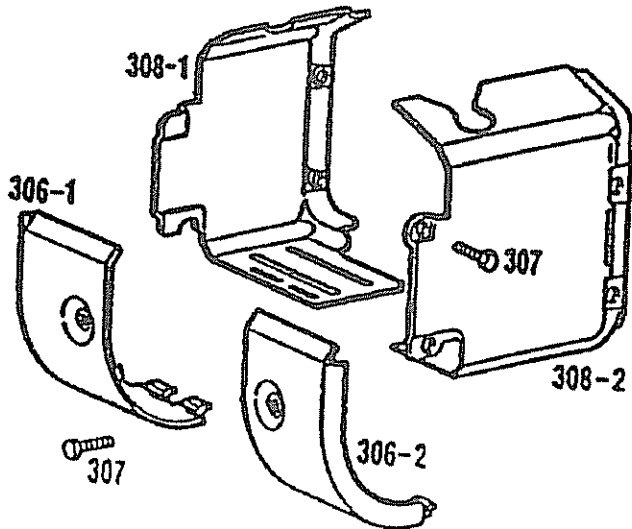
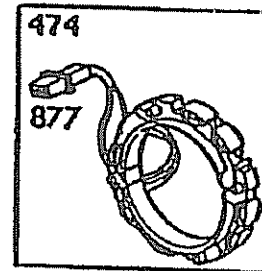
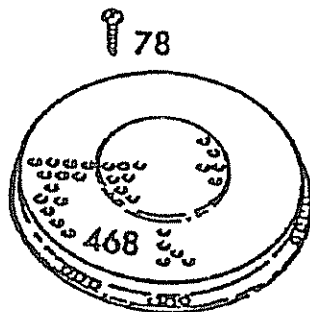
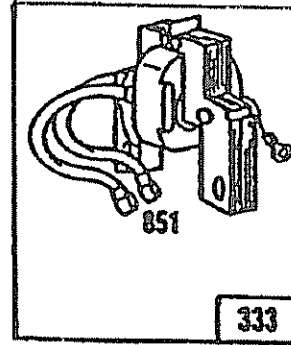
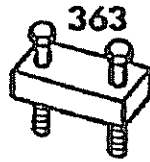
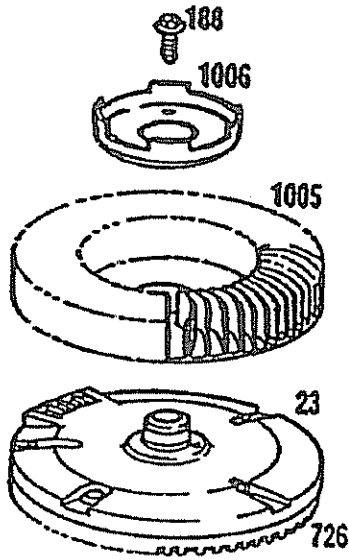
- 358 GASKET SET
- 861 PUMP REPAIR KIT
- 121 CARBURETOR OVERHAUL KIT



REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

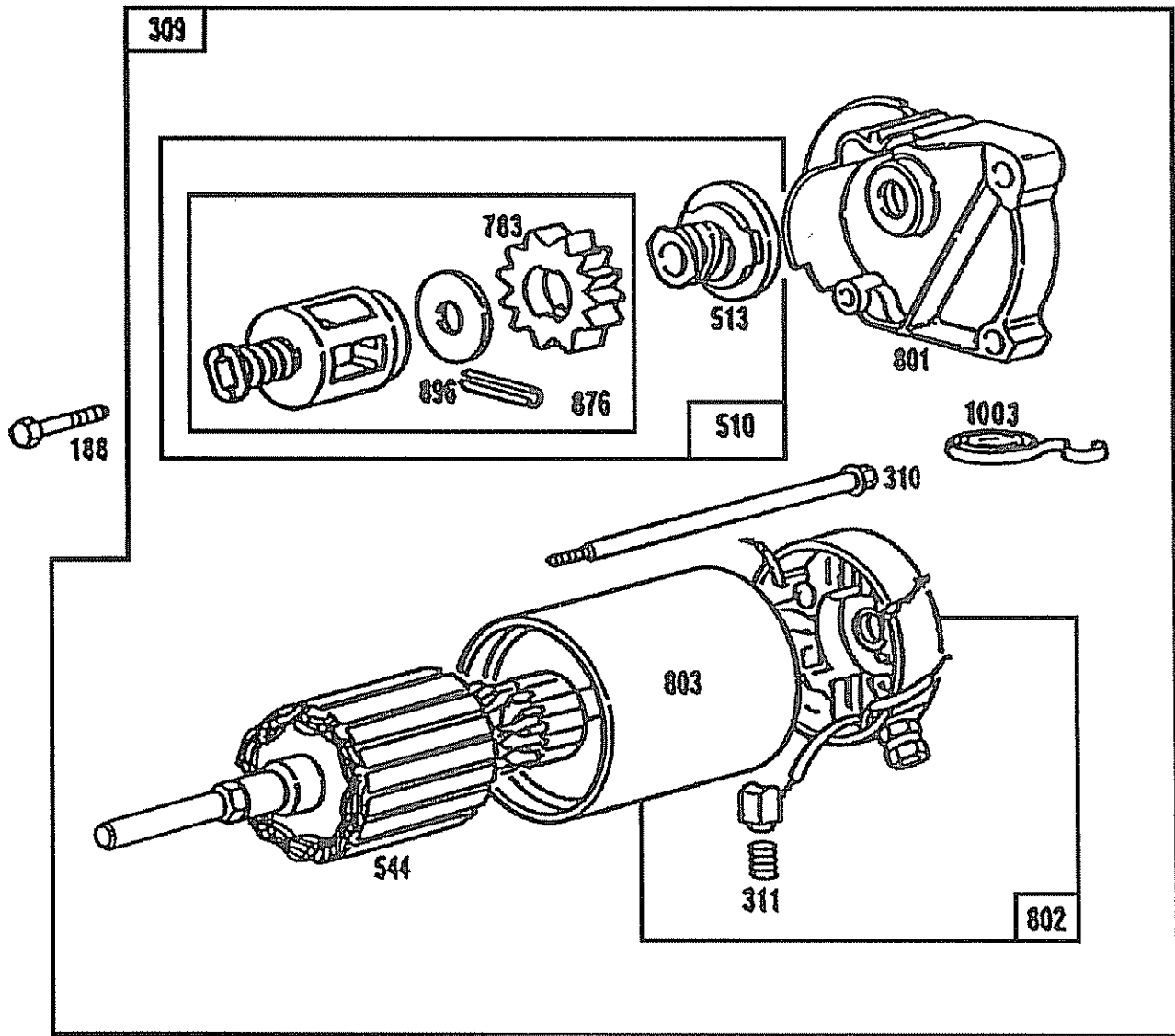
BRIGGS & STRATTON ENGINE - - MODEL NUMBER 422707, TYPE NUMBER 1516-01



REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

BRIGGS & STRATTON ENGINE - - MODEL NUMBER 422707, TYPE NUMBER 1516-01



| Reference Number | | 309 | 310 | 311 | 544 | 801 | 802 | 803 |
|-------------------|----------------|------------------------|--------------------|----------------|-------------------|------------------------|---------------------------|------------------|
| Manufacturer | | Motor and Drive Ass'y. | Thru Bolt Assembly | Brush Assembly | Armature Assembly | Drive End Cap Assembly | End Cap Ass'y. Commutator | Housing Assembly |
| Briggs & Stratton | Housing Length | | | | | | | |
| 12V | 3-5/8" | 394808 | 94003 | 395538 | 390837 | 394860 | 395537* | 393825 |

*Includes Brush Set

| Reference Number | 510 | 513 | 783 | 876 | 896 |
|-----------------------|---------------------|-----------------|--------|-------------------|----------------|
| Starter Motor Mfr. | Starter Drive Group | Clutch Assembly | Gear | Pinion Spring Kit | Roll Pin |
| B & S or United Tech. | | | | | |
| 12V | 490421 | 398003 | 280104 | 490467 | 94288 (Copper) |

REPAIR PARTS

18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

BRIGGS & STRATTON ENGINE - - MODEL NUMBER 422707, TYPE NUMBER 1516-01

| KEY PART NO. NO. | DESCRIPTION | KEY PART NO. NO. | DESCRIPTION |
|------------------|---|------------------|--|
| 1 494533 | Cylinder Assembly | 46 212337 | Gear, Cam |
| 2 399265 | Bearing, Cylinder | 50 213290 | Manifold Assembly, Intake |
| 3 391086 | Seal, Oil | 51 271412 | *** Gasket, Carburetor & Intake Elbow |
| 5-1 493457 | Head, Cylinder #1 | 51A 280319 | Spacer, Carburetor |
| 5-2 493458 | Head, Cylinder #2 | 52 270884 | * Gasket, Intake Manifold Mounting |
| 7-1 271867 | * Gasket, Cylinder Head #1 | 53 93970 | Screw, Hex Head (Carburetor to Manifold) |
| 7-2 271868 | * Gasket, Cylinder Head #2 | 54 93208 | Screw, Sems, Intake Manifold Mtg. |
| 8-1 393370 | Breather Assembly #1 | 75 222511 | Washer, Spring |
| 8-2 222892 | Cover, Breather Cylinder #2 (Used only on Key Number 572 Air Baffle with Holes for Mounting) | 78 94326 | Screw, Sems |
| 9 27803 | * Gasket, Valve Cover | 81 223016 | Lock, Muffler Screw |
| 10 94382 | Screw, Sems | 90 491429 | Carburetor Assembly (Remote Choke) |
| 11 280225 | Tube, Breather | 91 491541 | Body Assembly, Upper Carburetor |
| 12 271142 | * Gasket, Crankcase Cover 1/64" | 93 231209 | Bushing, Throttle Shaft |
| 271188 | * Gasket, Crankcase Cover .005" | 94 491538 | ** Valve Assembly, Carburetor Idle |
| 271189 | * Gasket, Crankcase Cover .009" | 95 93499 | Screw, Sems, Throttle and Choke Valve Mounting |
| 13 94565 | Screw, Cylinder Head | 96 221939 | Valve, Throttle |
| 15 91084 | Plug, Oil Drain | 97 392672 | Shaft and Lever, Throttle |
| 15A 94497 | Plug, Pipe | 98 91920 | Screw, Machine, Fillister Head |
| 16 394028 | Crankshaft | 99 26157 | Spring, Throttle Adjustment |
| 94196 | Key, Timing Gear Retaining Device | 102 271607 | ** Gasket, Carburetor Body |
| 18 493304 | Base Assembly, Crankcase | 103 298514 | Float, Carburetor |
| 20 291675 | Seal, Oil | 104 230896 | ** Pin, Float Hinge |
| 21 399195 | Seal Assembly, Cylinder Plug | 105 394683 | ** Valve, Fuel Inlet |
| 22 90887 | Screw, Sems, Crankcase Cover Mounting (Uses #92268 Lock Washer) | 107 491543 | Body, Lower Carburetor |
| 23 491180 | Flywheel and Ring Gear Assembly, Magneto | 108 223534 | Valve, Choke |
| 24 222698 | Key, Flywheel | 109 392673 | Shaft and Lever, Choke |
| 25 394955 | Piston Assembly, Standard | 116 280474 | O-Ring |
| 394956 | Piston Assembly .010" Oversize | 117 231338 | Jet, Needle Valve, Fixed |
| 394957 | Piston Assembly .020" Oversize | 119 94152 | Screw, Sems, Hex Head |
| 394958 | Piston Assembly .030" Oversize | 120 92290 | Washer, Lock |
| 26 394959 | Ring Set, Piston, Standard | 121 491539 | Carburetor Overhaul Kit |
| 394960 | Ring Set, Piston .010" Oversize | 127 223472 | Plug, Welch |
| 394961 | Ring Set, Piston .020" Oversize | 161 398826 | Body, Air Cleaner |
| 394962 | Ring Set, Piston .030" Oversize | 165 94289 | Nut, Wing |
| 27 260924 | Lock, Piston Pin | 187 299146 | Line, Fuel, 28" (Cut to Suit) |
| 28 299691 | Pin Assembly, Piston, Standard | 188 93535 | Screw, Sems |
| 391286 | Pin Assembly, Piston .005" Over | 201 262683 | Link, Governor |
| 29 394306 | Rod Assembly, Connecting | 202 262684 | Link, Throttle |
| 397158 | Connecting Rod, .020" Undersize Crankpin Bore | 203 280997 | Crank, Bell |
| 31 220863 | Washer | 203A 490207 | Crank, Bell |
| 32 92909 | Screw, Connecting Rod | 205 93971 | Screw, Hex Head |
| 33 390419 | Valve, Exhaust | 206 94298 | Nut, Square |
| 34 261528 | Valve, Intake | 207 262337 | Spring, Compression |
| 35 65906 | Spring, Intake Valve | 209 262352 | Spring, Governor |
| 36 26828 | Spring, Exhaust Valve | 209A 261563 | Spring, Governor Idle |
| 40 221596 | Retainer, Intake Valve | | |
| 41 292260 | Rotocoil, Exhaust Valve | | |
| 42 93630 | Retainer, Exhaust Valve | | |
| | Rotocoil (2) | | |
| 45 261368 | Tappet, Valve | | |

* Included in Gasket Set (491856)
 ** Included in Carburetor Overhaul Kit (491539)
 *** Included in both Gasket Set (491856) and Carburetor Overhaul Kit (491539)

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

REPAIR PARTS

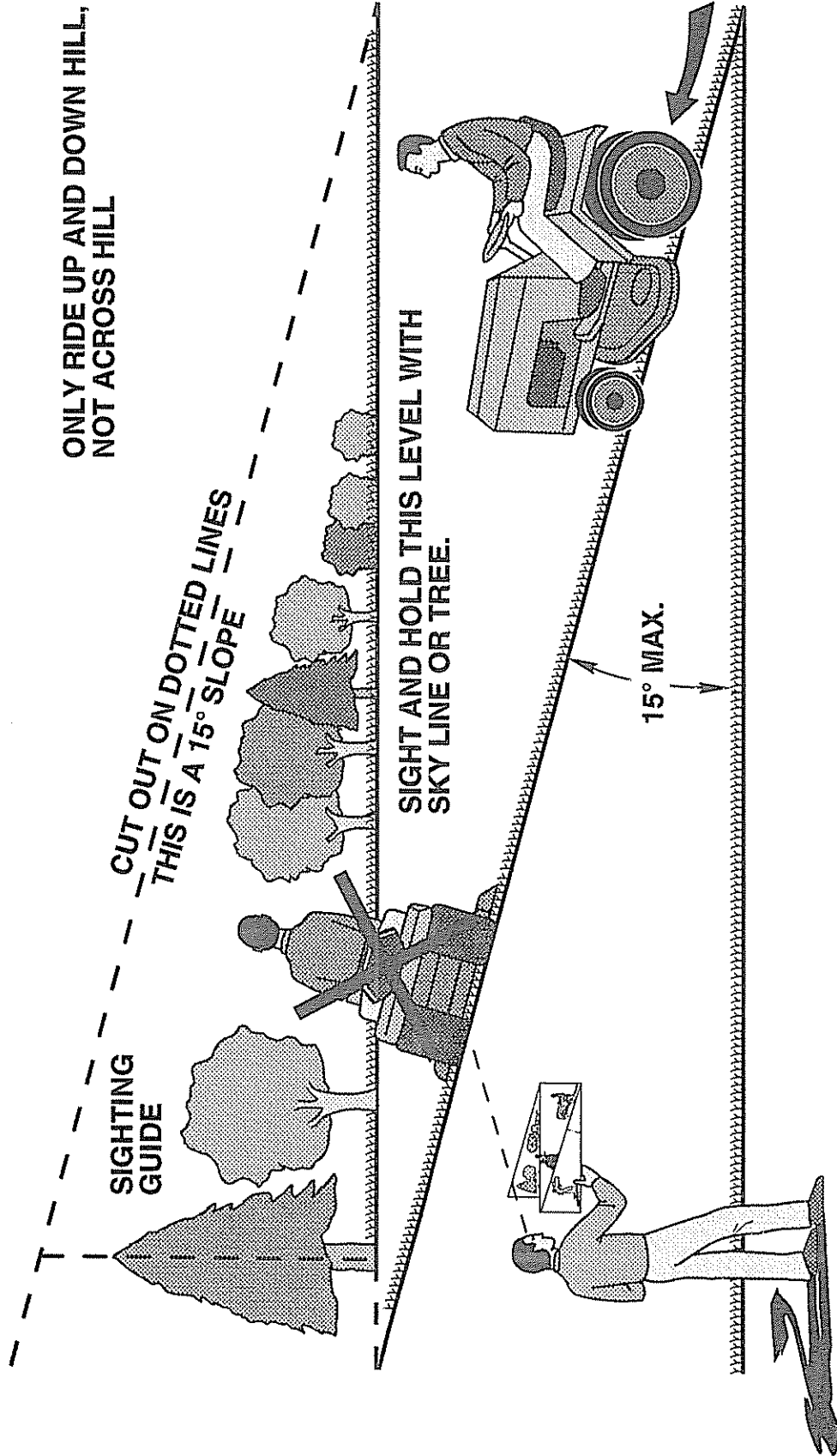
18 HP 42" TRACTOR - - MODEL NUMBER 917.258492

BRIGGS & STRATTON ENGINE - - MODEL NUMBER 422707, TYPE NUMBER 1516-01

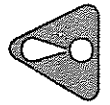
| KEY PART NO. | NO. | DESCRIPTION | KEY PART NO. | NO. | DESCRIPTION |
|--------------|--------|--|--------------|--------|---|
| 216 | 262375 | Link | 520 | 93722 | Terminal, Spade |
| 219 | 393415 | Oil Slinger Assembly | 523 | 394020 | Cap and Dipstick, Oil Filler |
| 219A | 394348 | Gear, Governor | 524 | 271157 | Seal, Filler Tube |
| 220 | 222773 | Washer, Thrust | 524A | 271485 | Seal, Tube |
| 222 | 491282 | Bracket, Speed Control | 525 | 280224 | Tube, Oil Filler |
| 224 | 94297 | Screw, Pan Head | 528 | 393815 | Impulse Line and Clamp Assembly |
| 227 | 491297 | Lever Assembly, Governor | 535 | 271271 | Element, Air Cleaner |
| 229 | 62199 | Washer | 537 | 271411 | *** Gasket, Air Cleaner |
| 230 | 223882 | Washer, Governor Crank (Inside) | 552 | 262332 | Lower Bushing, Governor |
| 232 | 262539 | Spring, Backlash | 552A | 262331 | Upper Bushing, Governor |
| 235 | 224039 | Shield, Spitback | 556 | 93585 | Screw, Sems, Hex Head |
| 240 | 394358 | Filter, Fuel (In Fuel Line to Tank) | 562 | 93853 | Bolt, Governor Lever |
| 244 | 230318 | Connector, Impulse Pump | 567 | 93777 | Screw, Hex Head (Back Plate to Cylinder) |
| 257 | 93897 | Screw, Sems | | | |
| 258 | 93949 | Screw, Sems | 569 | 270981 | * Gasket, Crankcase |
| 259 | 223890 | Bracket, Cable | 572 | 224580 | Baffle, Air, Cylinder #2 |
| 265 | 221535 | Clamp, Casing | 573 | 491304 | Back Plate Assembly |
| 267 | 93496 | Screw, Hex Head | 592 | 92278 | Nut, Hex |
| 284 | 94264 | Screw, Hex Head | 601 | 93053 | Clamp, Fuel Line |
| 284A | 93469 | Screw, Hex Head | 615 | 94296 | Retainer, E-Ring |
| 304 | 491247 | Housing, Blower | 616 | 491530 | Crank, Governor |
| 305 | 94608 | Screw, Sems 1/2" | 634 | 271013 | ** Washer, Throttle Shaft |
| | 93415 | Screw, Sems 3/4" | 634A | 491287 | Seal, Governor Shaft |
| 306-1 | 222846 | Shield, Cylinder | 635 | 66538 | Elbow, Spark Plug |
| 306-2 | 222847 | Shield, Cylinder | 642 | 223579 | Cover, Air Cleaner |
| 307 | 94386 | Screw, Sems | 643 | 223714 | Cartridge Plate, Air Cleaner |
| 308-1 | 222848 | Cover, Air Guide | 726 | 391362 | Gear, Flywheel Ring (Includes Mounting Parts) |
| 308-2 | 222849 | Cover, Air Guide | | | |
| 309 | --- | Motor, Starting (See Chart for Starting Motor Replacement Parts) | 741 | 262694 | Gear, Timing |
| 319 | 394988 | Armature Assembly | 819 | 93686 | Screw, Hex Head |
| 332 | 230674 | Nut, Hex | 842 | 271170 | Seal, Oil Filler Cap |
| 333 | 394891 | Armature Group (MAGNETRON™ Ignition) | 847 | 394394 | Dipstick and Tube Assembly |
| 334 | 93381 | Screw, Sems, Armature Mounting | 851 | 221798 | Terminal, Ignition Cable |
| 337 | 802592 | Plug, Spark, Resistor | 858 | 270989 | *** Diaphragm, Damping |
| 353 | 92791 | Washer, Lock, Shakeproof | 859 | 271025 | *** Gasket, Carburetor Pump |
| 354 | 90576 | Nut, Hex | 860 | 261358 | *** Spring (2) |
| 356 | 398808 | Wire, Ground | 861 | 393397 | Repair Kit, Pump |
| 358 | 491856 | Gasket Set | 868 | 393606 | Seal and Retainer Assembly |
| 363 | 19203 | Puller, Flywheel (Optional Accessory) | 869 | 261463 | Seat, Intake Valve, Standard |
| | | Wrench, Spark Plug | 870 | 213316 | Seat, Exhaust Valve, Standard |
| 383 | 89838 | | 871 | 261961 | Guide, Exhaust Valve (Only) |
| 387 | 280197 | Body, Pump | | 231218 | Guide, Intake, Brass (See Repair Manual) |
| 392 | 261395 | *** Spring, Pump | 877 | 393456 | Connector Assembly, Dual Circuit |
| 394 | 270988 | *** Diaphragm | 881 | 212455 | Cover Plate, Crankcase |
| 414 | 223882 | Washer | 955 | 397882 | Plug and Seal, Solenoid |
| 422 | 222875 | Clamp, Oil Filler | 1005 | 280815 | Fan, Flywheel |
| 432 | 221377 | *** Cap, Spring | 1006 | 223726 | Retainer, Fan |
| 434 | 223688 | Cover, Diaphragm | 1019 | 491262 | Label Kit |
| 435 | 93829 | Screw, Diaphragm Cover | | | |
| 445 | 394019 | Cartridge, Air Cleaner | * | | Included in Gasket Set (491856) |
| 467 | 493903 | Knob, Air Cleaner | ** | | Included in Carburetor Overhaul Kit (491539) |
| 468 | 222673 | Screen, Flush Rotating | *** | | Included in both Gasket Set (491856) and Carburetor Overhaul Kit (491539) |
| 474 | 393474 | Stator, Alternator, Dual Circuit | | | |
| 482 | 93621 | Screw, Sems | | | |
| 506 | 231174 | Terminal | | | |
| 507 | 280180 | Grommet, Insulator | | | |

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

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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



SEARS

OWNER'S MANUAL

MODEL NO. 917.258492

HOW TO ORDER REPAIR PARTS

CRAFTSMAN[®]

18.0 HP TWIN CYLINDER ELECTRIC START 42" MOWER DECK 5 SPEED TRANSAXLE LAWN TRACTOR

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

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

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

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- **PRODUCT - LAWN TRACTOR**
- **MODEL NUMBER - 917.258492**
- **ENGINE MODEL NUMBER - 422707, TYPE NUMBER 1516-01**
- **PART NUMBER**
- **PART DESCRIPTION**

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained to insure that we meet our pledge to you, we service what we sell.

Sears, Roebuck and Co., Chicago, IL 60684 U.S.A.
