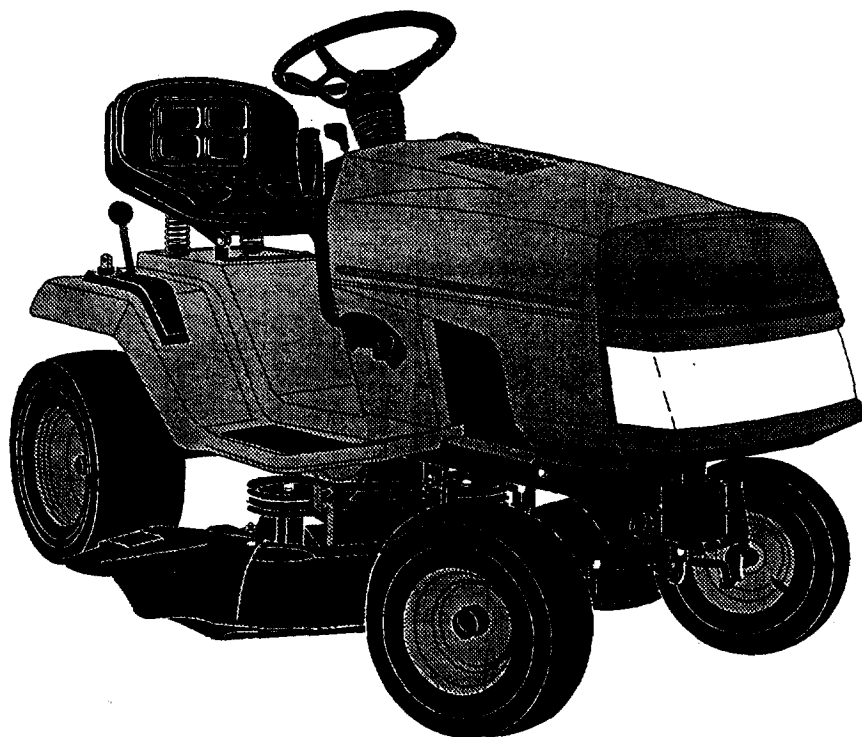


SEARS
OWNER'S
MANUAL

MODEL NO.
917.257462

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



CRAFTSMAN[®]

**12.0 HP
ELECTRIC START
36" MOWER
6 SPEED
LAWN RIDER**

- Assembly
- Operation
- Maintenance
- Service and Adjustment
- Repair Parts

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



SAFETY RULES

Safe Operation Practices for Ride-On Mowers



IMPORTANT: THIS CUTTING MACHINE IS CAPABLE OF AMPUTATING HANDS AND FEET AND THROWING OBJECTS. FAILURE TO OBSERVE THE FOLLOWING SAFETY INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.

I. GENERAL OPERATION

- Read, understand, and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Be aware of the mower discharge direction and do not point it at anyone. Do not operate the mower without either the entire grass catcher or the guard in place.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Turn off blades when not mowing.
- Stop engine before removing grass catcher or unclogging chute.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.

II. SLOPE OPERATION

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

DO:

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

DO NOT:

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

III. CHILDREN

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

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and *down* for small children.
- Never carry children. They may fall off and be seriously injured or interfere with the 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 Lawn Rider. 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 | 917.257462 |
| 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 "Maintenance" and "Storage" sections of this owner's manual.

PRODUCT SPECIFICATIONS

| | |
|----------------------------|---|
| HORSEPOWER: | 12.0 |
| GASOLINE CAPACITY: | 1.4 GALLONS UNLEADED REGULAR |
| OIL (3.0 PINTS) | SAE 30 (or 10W-30) WINTER: SAE 5W-30 |
| SPARK PLUG (GAP .030 IN.): | CHAMPION RJ-19LM STD361458 |
| VALVE CLEARANCE: | INTAKE .005 - .007 IN. EXHAUST .009 - .011 IN. |
| GROUND SPEED: | FORWARD 1st .95 MPH 2nd 1.25 MPH 3rd 1.94 MPH 4th 2.91 MPH 5th 3.71 MPH 6th 4.76 MPH REVERSE: 1.46 MPH |
| TIRE PRESSURE: | FRONT: 14 PSI REAR: 12 PSI |
| CHARGING SYSTEM: | 3 AMPS BATTERY @3600 RPM |
| 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 years from date of purchase, when this riding equipment is maintained, lubricated, and tuned up according to the operating and maintenance instructions in the owner's manual, Sears will repair free of charge any defect in material or workmanship.

This Warranty does not cover:

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

FULL 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 CONTACTING THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES. THIS WARRANTY APPLIES ONLY WHILE THIS PRODUCT IS IN USE IN THE UNITED STATES.

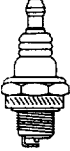
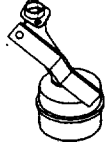

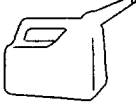


This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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

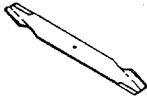

ACCESSORIES AND ATTACHMENTS

These accessories and attachments were available when the unit was purchased. They are also available at most Sears retail outlets, catalogs 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.

CAPTS 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 rear mounting only.

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.

TABLE OF CONTENTS

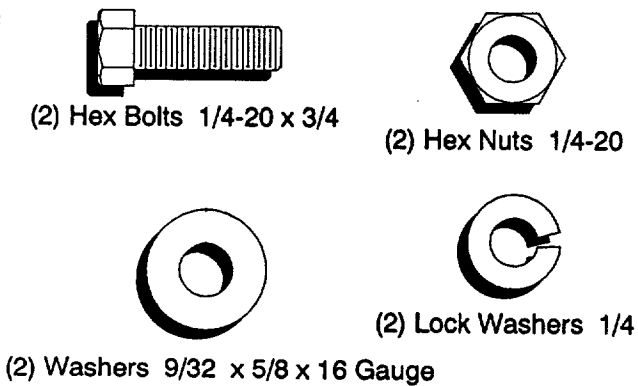
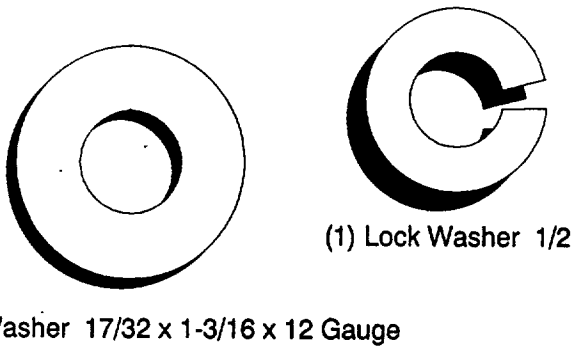
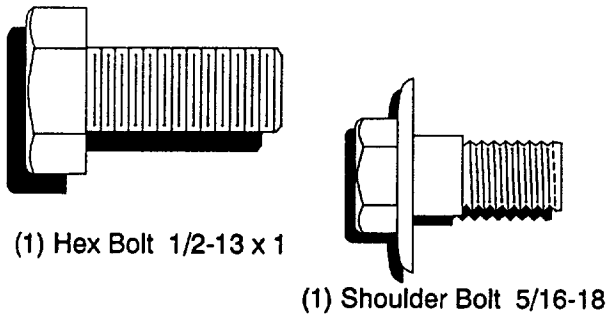
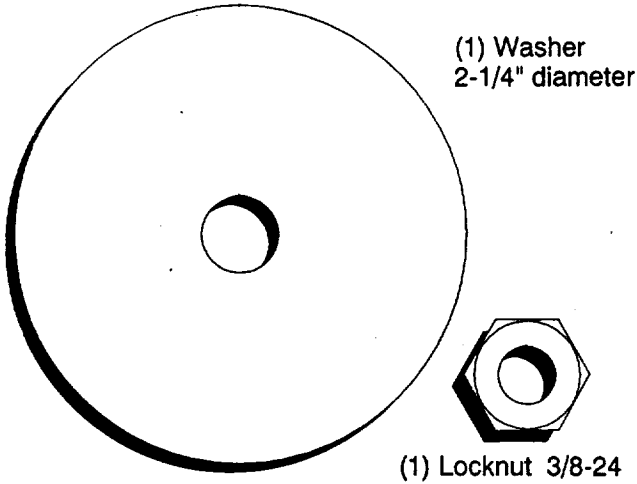
| | | | |
|---------------------------------|-----|-------------------------------|-----------|
| SAFETY RULES | 2 | OPERATION | 10-13 |
| PRODUCT SPECIFICATIONS | 3 | MAINTENANCE | 14-17 |
| CUSTOMER RESPONSIBILITIES | 3 | SERVICE AND ADJUSTMENTS | 18-22 |
| WARRANTY | 3 | STORAGE | 23 |
| TABLE OF CONTENTS | 5 | TROUBLESHOOTING | 24-25 |
| INDEX | 5 | REPAIR PARTS - TRACTOR | 27-45 |
| TRACTOR ACCESSORIES | 4 | REPAIR PARTS - ENGINE | 46-50 |
| ASSEMBLY | 7-9 | PARTS ORDERING/SERVICE | BACK PAGE |

INDEX

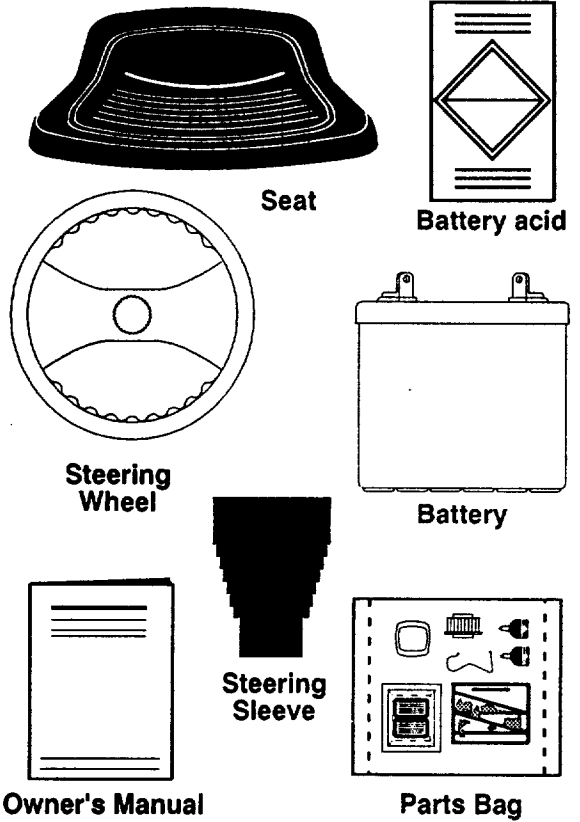
| | | | | | |
|----------------------------------|-------|---------------------------------|---------|---------------------------------|---------|
| A | | F | | P | |
| Accessories | 4 | Filter: | | Parking Brake | 10-11 |
| Adjustments: | | Air Filter | 16 | Parts Bag | 6 |
| Brake | 20 | Fuel | 17 | Parts, Replacement/Repair | 27-50 |
| Carburetor | 22 | Fuel: | | Product Specifications | 3 |
| Mower | | Type | 13 | R | |
| Front-To-Back | 19 | Storage | 23 | Repair Parts | 27-50 |
| Side-To-Side | 19 | Fuse | 21 | S | |
| Throttle Control Cable | 22 | H | | Safety Rules | 2 |
| Air Filter, Engine | 16 | Hood Removal/Installation | 21 | Seat | 8 |
| Air Screen, Engine | 17 | L | | Service and Adjustments | 18-22 |
| Assembly | 7-9 | Leveling Mower Deck | 19 | Carburetor | 22 |
| B | | Lubrication: | | Fuse | 21 |
| Battery: | | Chart | 14 | Hood Removal/Installation | 21 |
| Charging | 8 | M | | Motion Drive Belt | |
| Cleaning | 16 | Maintenance | 14-17 | Removal/Replacement | 20 |
| Installation | 9 | Air Filter | 16 | Mower Adjustment | |
| Levels | 8,15 | Air Screen, Engine | 17 | Front-to-Back | 19 |
| Preparation | 8 | Battery | 15-16 | Side-to-Side | 19 |
| Starting with Weak Battery | 21 | Blade | 15 | Mower Removal | 18 |
| Storage | 23 | Cooling Fins, Engine | 17 | Tire Care | 8,15,21 |
| Terminals | 16 | Engine Oil | 16 | Slope Guide Sheet | 51 |
| Belt: | | Fuel Filter | 17 | Spark Plugs | 17 |
| Motion Drive | | Lubrication Chart | 14 | Specifications | 3 |
| Removal/Replacement | 20 | Schedule | 14 | Starting the Engine | 13 |
| Blade: | | Spark Plugs | 17 | Steering Wheel | 7,20 |
| Sharpening | 15 | Tire Care | 8,15,21 | Stopping the Tractor | 11 |
| Replacement | 15 | Mower: | | Storage | 23 |
| Brake Adjustment | 20 | Adjustment, Front-to-Back | 19 | T | |
| C | | Adjustment, Side-to-Side | 19 | Throttle Control Cable | |
| Carburetor Adjustment | 22 | Blade Sharpening | 15 | Adjustment | 22 |
| Controls, Tractor | 10 | Blade Replacement | 15 | Tires | 8,15,21 |
| Cutting Height, Mower | 12 | Cutting Height | 12 | Trouble Shooting Chart | 24-25 |
| E | | Installation | 18 | Transaxle: | |
| Electrical: | | Operation | 12 | Repair Parts | 44-45 |
| Interlocks and Relays | 21 | Removal | 18 | W | |
| Schematic | 26 | Mowing Tips | 13 | Warranty | 3 |
| Wiring Diagram | 28 | Muffler | 17 | Wiring Diagram | 28 |
| Engine: | | Spark Arrester | 3,38 | Wiring Schematic | 26 |
| Air Filter | 16 | O | | | |
| Air Screen | 17 | Oil: | | | |
| Cooling Fins, Engine | 17 | Cold Weather Conditions | 12,16 | | |
| Oil Change | 16 | Engine | 16 | | |
| Oil Level | 12,16 | Storage | 23 | | |
| Oil Type | 16 | Operation | 10-13 | | |
| Preparation | 12 | Operating Mower | 12 | | |
| Repair Parts | 46-50 | Options: | | | |
| Starting | 13 | Accessories | 4 | | |
| Storage | 23 | Spark Arrester | 3,38 | | |

CONTENTS OF HARDWARE PACK

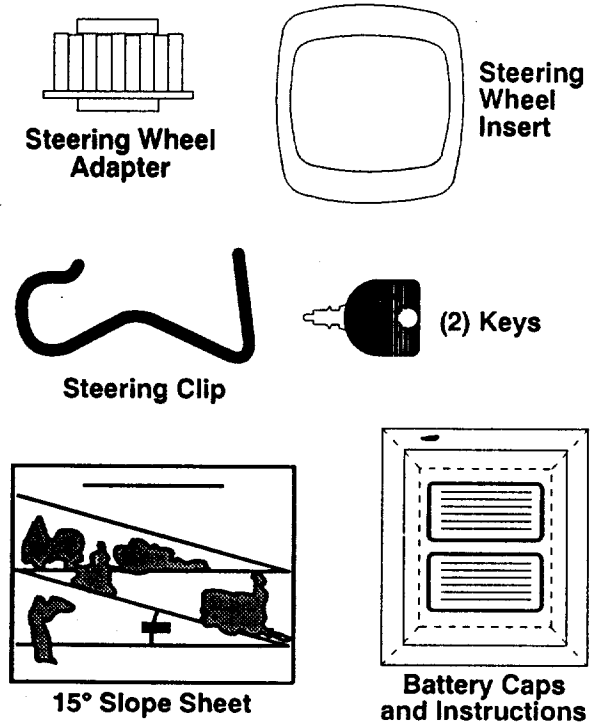
Parts Bag contents shown full size



Parts packed separately in carton



Parts bag contents not shown full size



ASSEMBLY

TOOLS REQUIRED FOR ASSEMBLY

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

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

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.

ATTACH STEERING WHEEL

POSITION STEERING SHAFT (See Fig. 1) -

- Lift hood.
- Pull steering shaft up to engage gears.
- Push steering clip through hole on steering shaft at 45° (hole is located under dash and above lower steering bushing).
- Push steering clip onto steering shaft until steering clip snaps into place.

INSTALL STEERING WHEEL (See Fig. 2) -

- Slide the steering sleeve over the steering shaft (Bottom of sleeve goes over ring on dash).
- Slide steering wheel adapter onto upper 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 3/8-24 locknut and tighten securely.
- Snap insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

BEFORE ROLLING UNIT OFF SKID

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

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

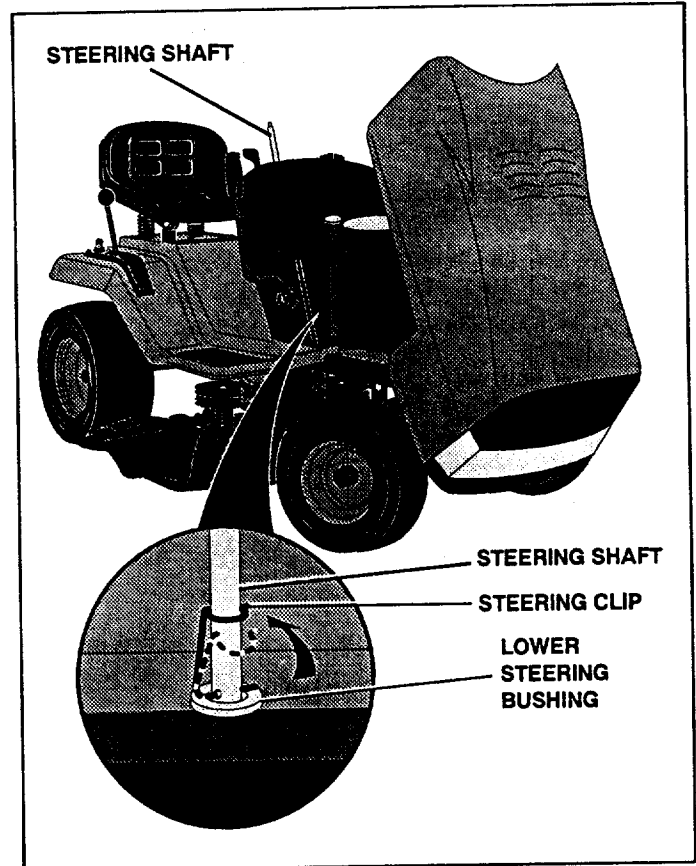


FIG. 1

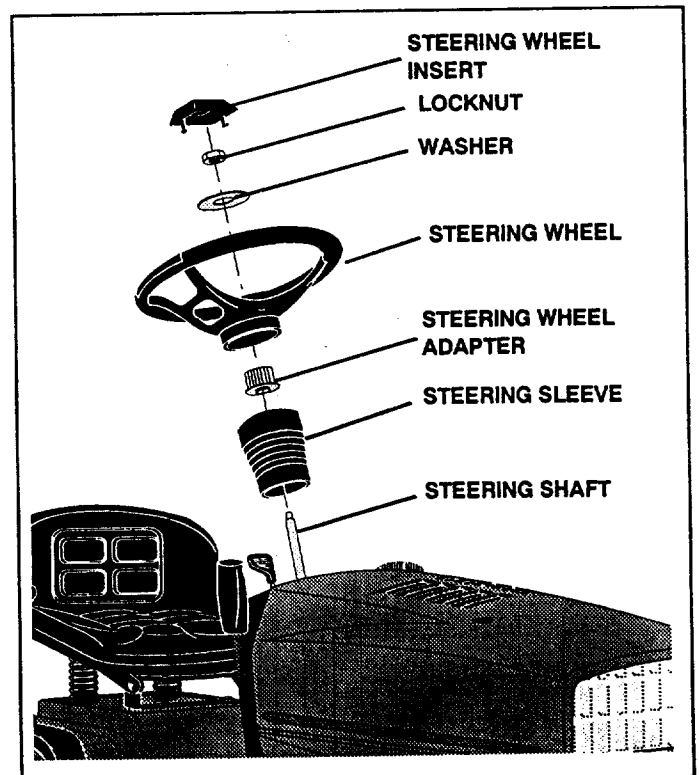


FIG. 2

ASSEMBLY

HOW TO SET UP YOUR TRACTOR PREPARE BATTERY (See Fig. 3)



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. Use a 12 volt battery charger. Observe all safety precautions required for battery charging.
- Check the acid level after the battery is charged. If the acid has fallen below the correct level, add distilled or iron free water.
- Install the vent caps to cover the vent wells. Wash the top of the battery with water to remove any acid, then wipe dry.
- Check battery case for leakage to make sure that no damage has occurred in handling.
- Dispose of excess battery acid. Neutralize acid for disposal by adding it to 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.

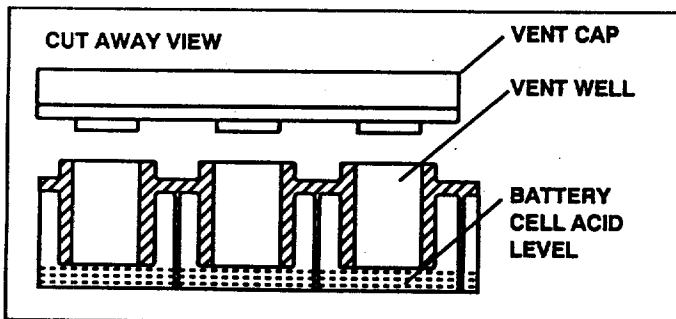


FIG. 3

INSTALL SEAT (See Fig. 4)

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. 8).
- Get off seat without moving its adjusted position.
- Raise seat and tighten adjustment bolt securely.

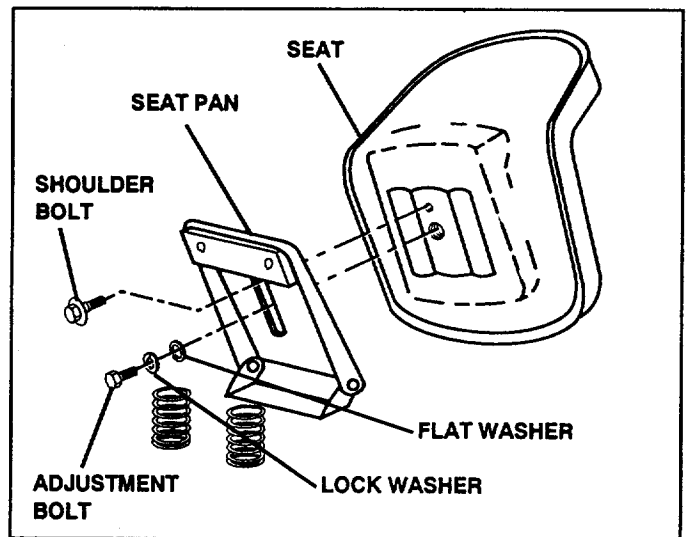


FIG. 4

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. 5 & 6)



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

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

- Lift seat to raised position.
- Open battery box door.
- Lower battery into battery box with battery terminals toward front of unit.
- Be sure drain tube is attached to bottom of battery box.
- First connect RED battery cable and RED fused ignition wire to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Close battery box door.

Use terminal access doors for:

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

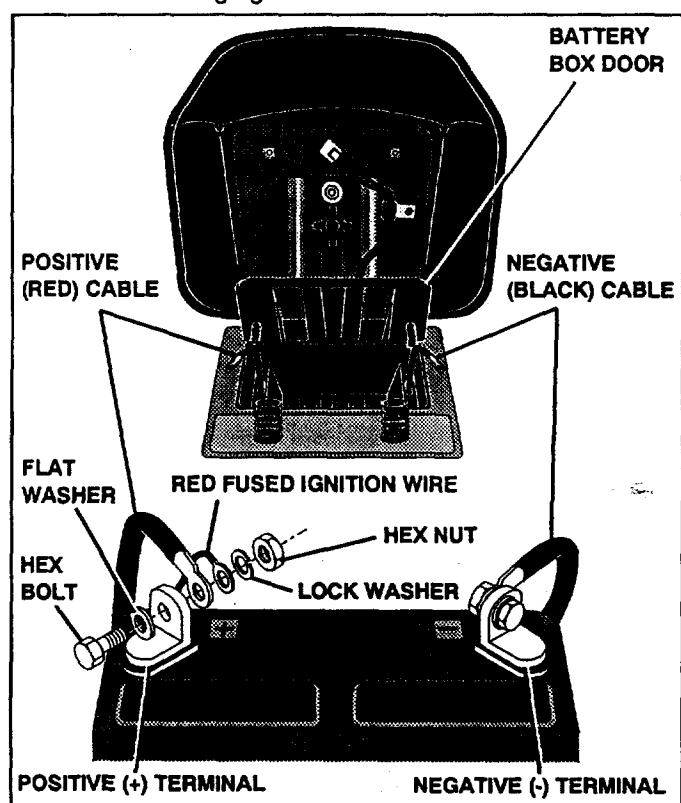


FIG. 5

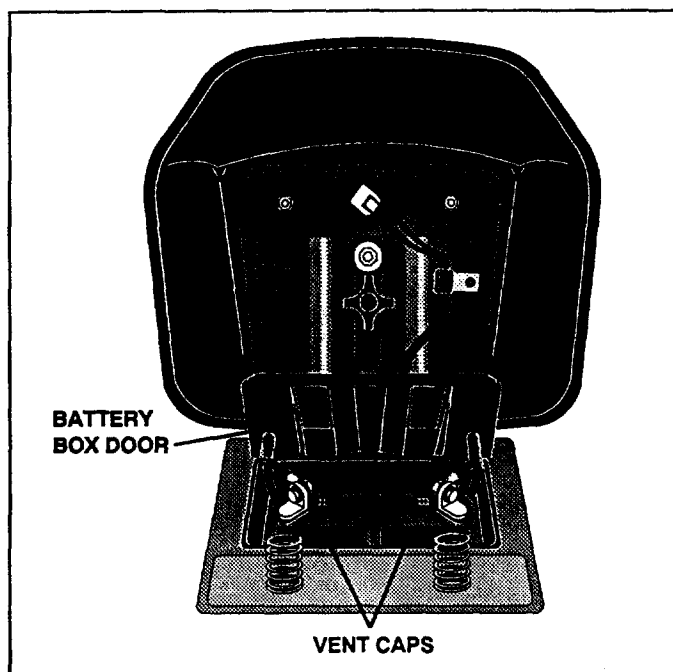


FIG. 6

✓ CHECKLIST

BEFORE YOU OPERATE AND ENJOY YOUR NEW LAWN RIDER, 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 LAWN RIDER, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS:

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

OPERATION

KNOW YOUR LAWN RIDER

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR LAWN RIDER.

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

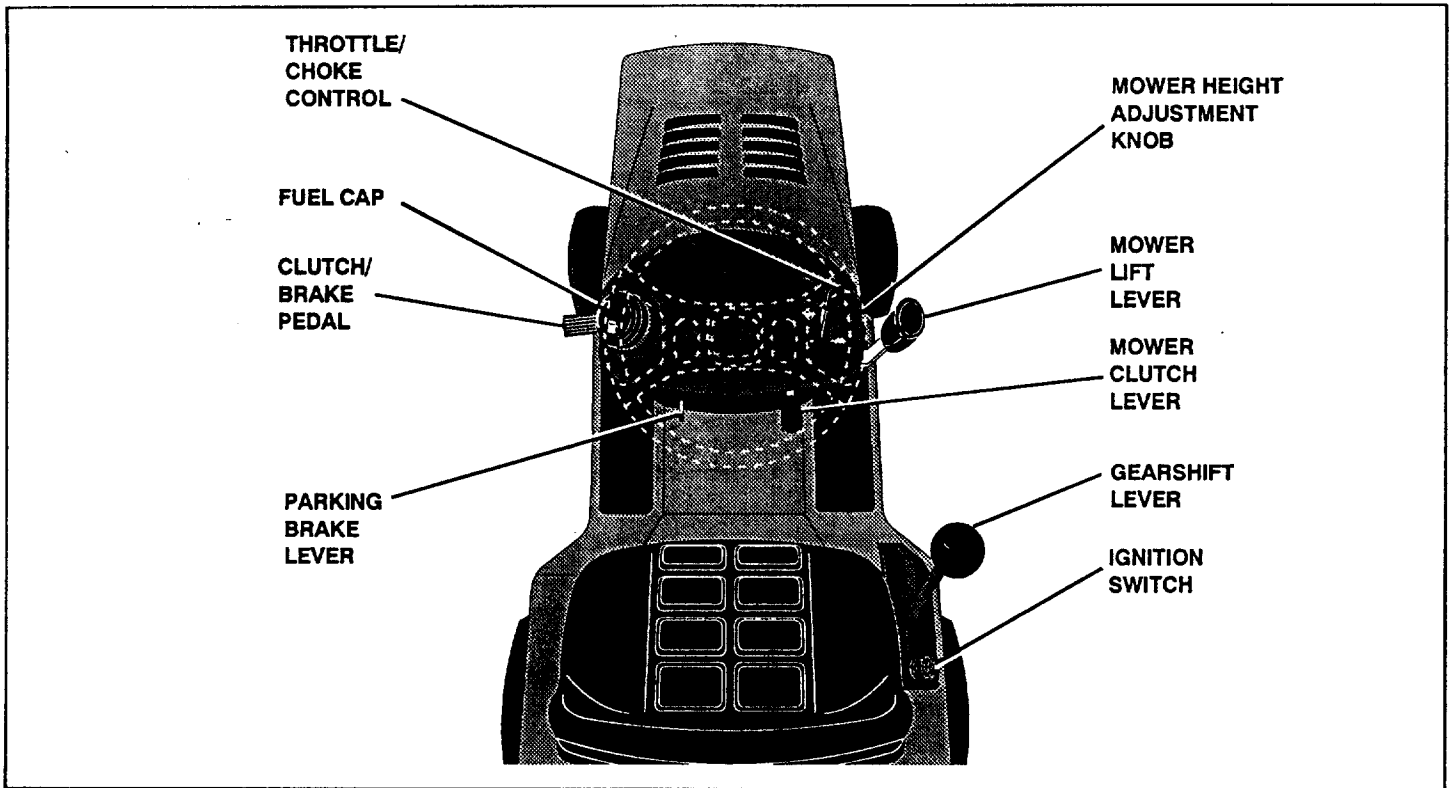


FIG. 7

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

IGNITION SWITCH: Used for starting and stopping the engine.

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

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

GEARSHIFT LEVER: Selects the speed and direction of tractor.

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

MOWER CLUTCH LEVER: Used to engage the mower blades.

MOWER LIFT LEVER: Used to raise and lower the mower deck.

MOWER HEIGHT ADJUSTMENT KNOB: Used to set mower cutting height.

CAUTION TO AVOID INJURY

- READ OWNER'S MANUAL.
- KNOW LOCATION AND FUNCTION OF ALL CONTROLS.
- KEEP GUARDS, SAFETY SHIELDS AND SWITCHES IN PLACE AND WORKING.
- REMOVE OBJECTS THAT CAN BE THROWN BY BLADES.
- DO NOT MOW WHEN CHILDREN AND OTHERS ARE AROUND.
- NEVER CARRY CHILDREN OR PASSENGERS.
- ALWAYS LOOK BEHIND MACHINE BEFORE BACKING.
- DO NOT MOW WHERE MACHINE CAN TIP OR SLIP.
- IF MACHINE STOPS GOING UPHILL, STOP BLADE AND BACK DOWN SLOWLY.
- BE SURE BLADES AND ENGINE HAVE STOPPED BEFORE PLACING HANDS OR FEET NEAR THE BLADES.
- REMOVE KEY WHEN LEAVING MACHINE.

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 before starting your tractor and while moving. We recommend Wide Vision Safety Mask for over the spectacles or standard safety glasses.

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 Figs. 8 and 9)

MOWER BLADES -

- Move mower 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.
- 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.

TO USE THROTTLE CONTROL (See Fig. 9)

Always operate engine at full throttle.

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

TO MOVE FORWARD AND BACKWARD (See Figs. 8 and 9)

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.

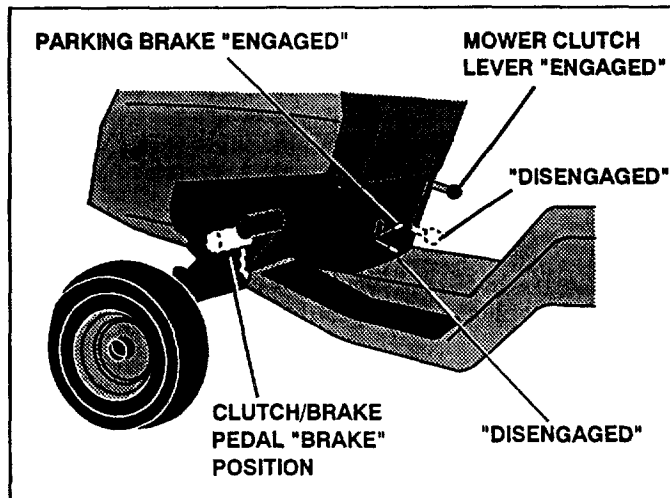


FIG. 8

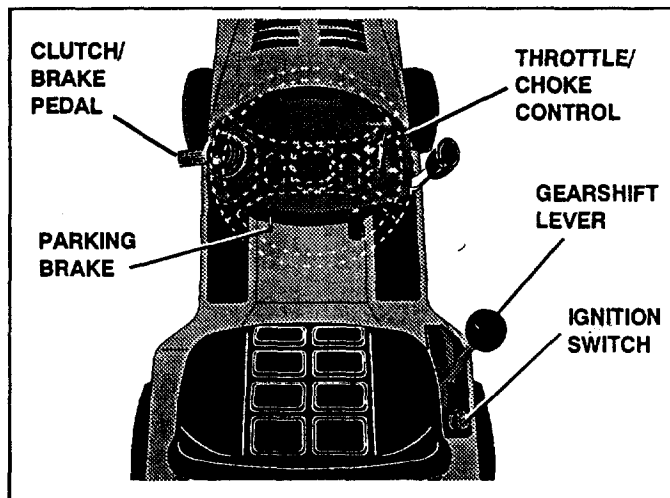


FIG. 9

OPERATION

TO ADJUST MOWER CUTTING HEIGHT

(See Fig. 10)

The position of the mower lift lever determines the cutting height. The position of the mower lift lever can be adjusted by moving the height adjustment knob to desired position.

- With lift lever back and locked in highest position, pull out the adjustment knob and move to desired position.
- Move mower lift lever out and forward to adjustment knob.

The cutting height range is approximately 1" to 3-1/2". 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.

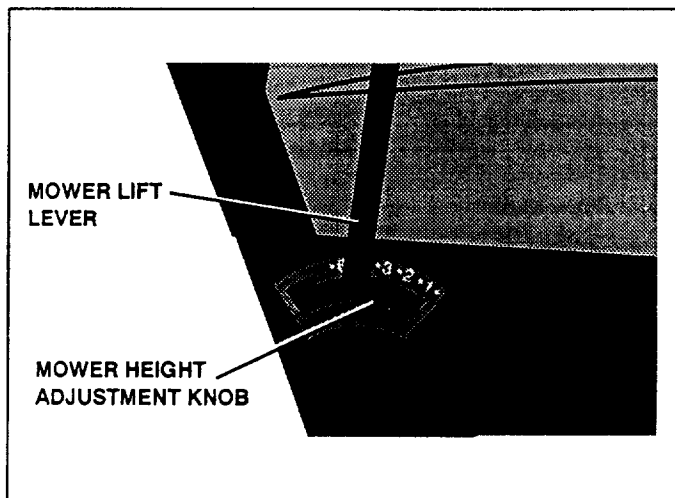


FIG. 10

TO OPERATE MOWER (See Figs. 10 and 11)

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 mower clutch engaged will shut off the engine.

- Select desired height of cut.
- Engage mower by slowly moving mower clutch lever to "ENGAGED" position.
- TO STOP MOWER - Move mower 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.

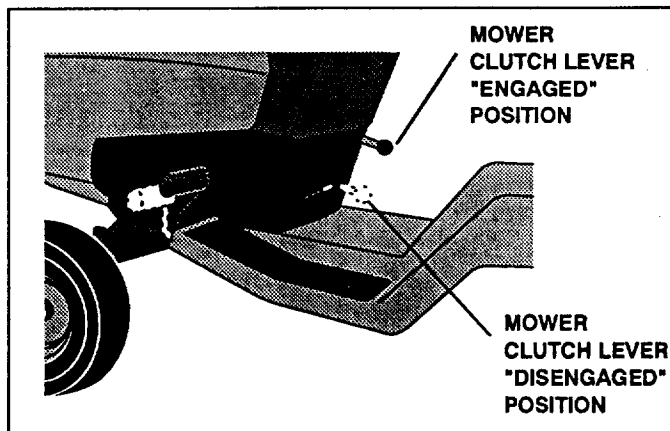


FIG. 11

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 mower lift lever to highest position.
- When pushing or towing your unit, be sure gearshift lever is in "NEUTRAL" position.
- Do not push unit at more than five (5) MPH.

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 16)

- 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 Maintenance section of this manual).
- To change engine oil, see the Maintenance section in this manual.

OPERATION

ADD GASOLINE

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

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

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



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

TO START ENGINE (See Fig. 7)

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 mower clutch to "DISENGAGED" position.
- Move throttle control lever to "CHOKE" position for cold engine start. For warm engine start, move throttle control to "FAST" position.
- 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, move throttle control to desired 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

- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished (See Fig. 12).
- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

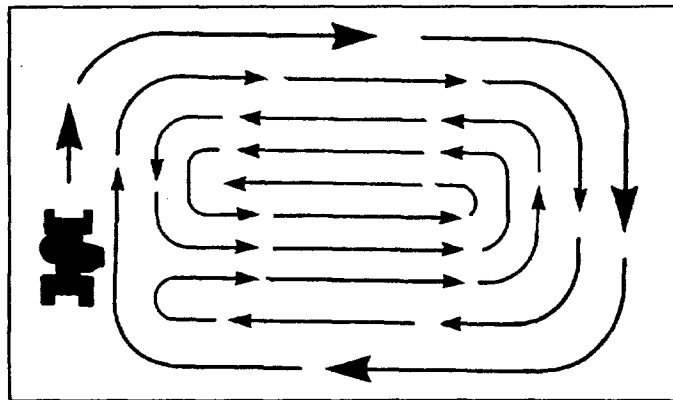


FIG. 12

MAINTENANCE

| MAINTENANCE SCHEDULE | | BEFORE EACH USE | | | | | | | SERVICE DATES | | | | | | | | |
|---|-------------------------------------|-----------------|---------------|---------------|--------------------|----------------|-----------------|------------------|----------------|---|---|--|--|--|--|--|--|
| FILL IN DATES AS YOU COMPLETE REGULAR SERVICE | | 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 | | | | | | | ✓ | | | | | | | | | |
| | Adjust Motion Drive Belt(s) Tension | | | | | | | ✓ | | | | | | | | | |
| 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 Fans | | | | | | | ✓ 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.

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.

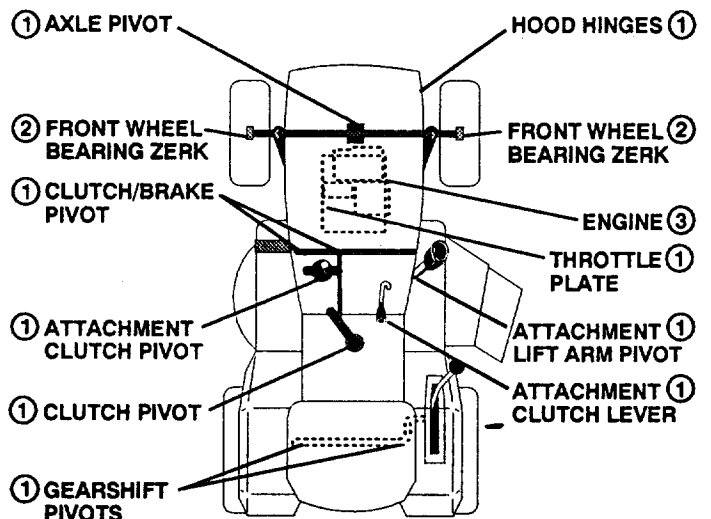
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

- 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 ENGINE MAINTENANCE 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.

MAINTENANCE

LAWN RIDER

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, than brake must be adjusted. (See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual).

TIRES

- Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" 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. 13)

- 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.

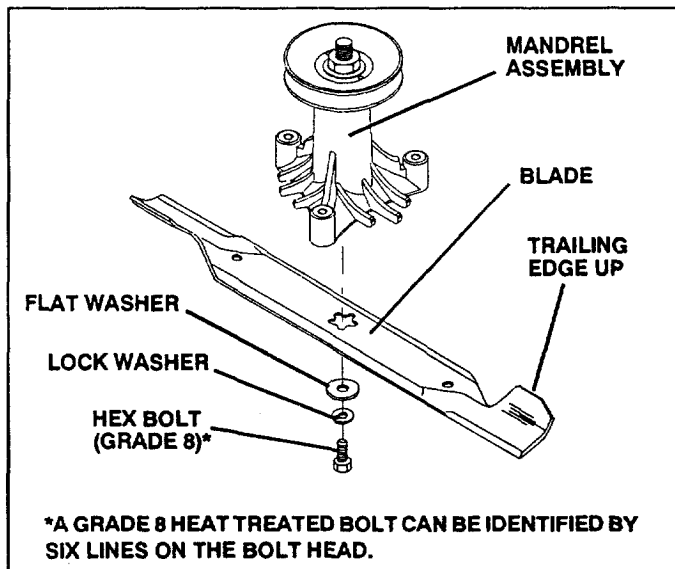


FIG. 13

TO SHARPEN BLADE (See Fig. 14)

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

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer).
- Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

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

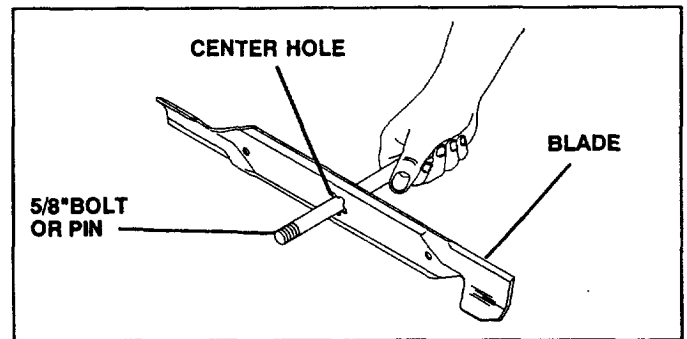


FIG. 14

BATTERY (See Fig. 15)

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.

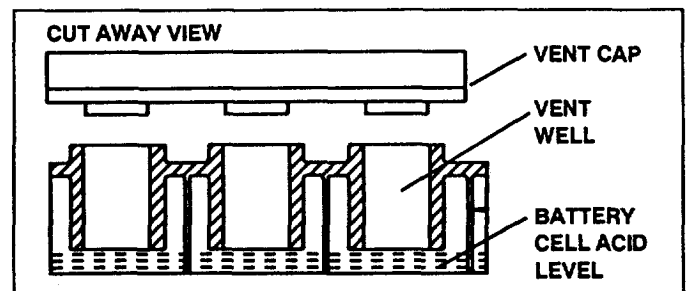


FIG. 15

MAINTENANCE

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 the Assembly section of this manual).

V- BELTS

Check V-Belts for deterioration and wear after 100 hours. 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

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. Add SAE 30W motor oil or equivalent. Tighten oil fill cap/dipstick securely each time you check the oil level. SAE 5W-30 motor oil may be used to make starting easier in areas where temperature is consistently 32° F or lower.

TO CHANGE ENGINE OIL (See Fig. 16 and 17)-

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

- 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.

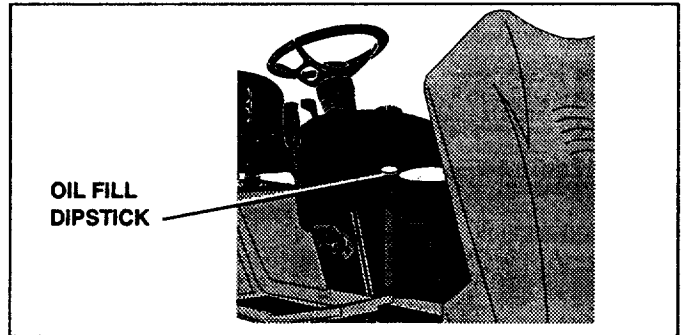
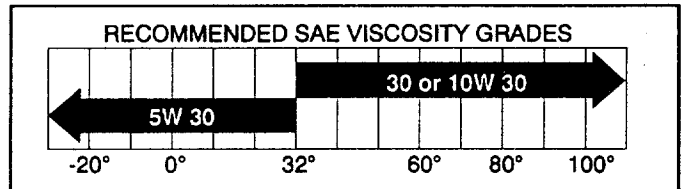


FIG. 16

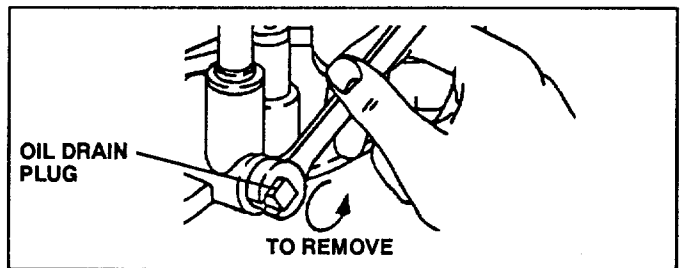


FIG. 17

AIR FILTER (See Fig. 18)

Your engine will not run properly and may be damaged by using a dirty air filter. Remove cartridge every 25 hours and tap gently to clean. Replace paper cartridge once a year or after every 100 hours of operation, more often if used in very dusty, dirty conditions.

- Remove knob and cover.
- Remove cartridge nut and clean or replace cartridge.
- Reassemble and tighten securely.

NOTE: Do not attempt to clean or oil the paper cartridge.

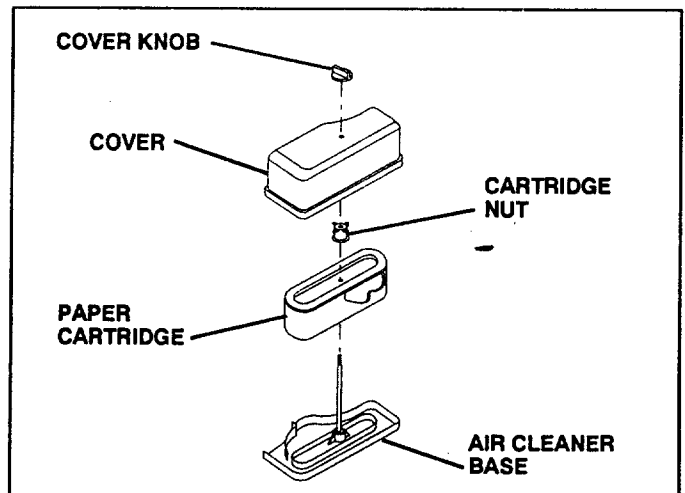


FIG. 18

MAINTENANCE

AIR SCREEN (See Fig. 19)

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 remove dirt and stubborn dried gum fibers.

ENGINE COOLING FINS (See Fig. 19)

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

- Remove oil fill dipstick and cover opening to prevent entry of dirt.
- Remove screws from blower housing and lift housing off engine.
- Remove the screws securing the starter housing and lift housing off engine.
- Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins.
- To reassemble, reverse above procedure.

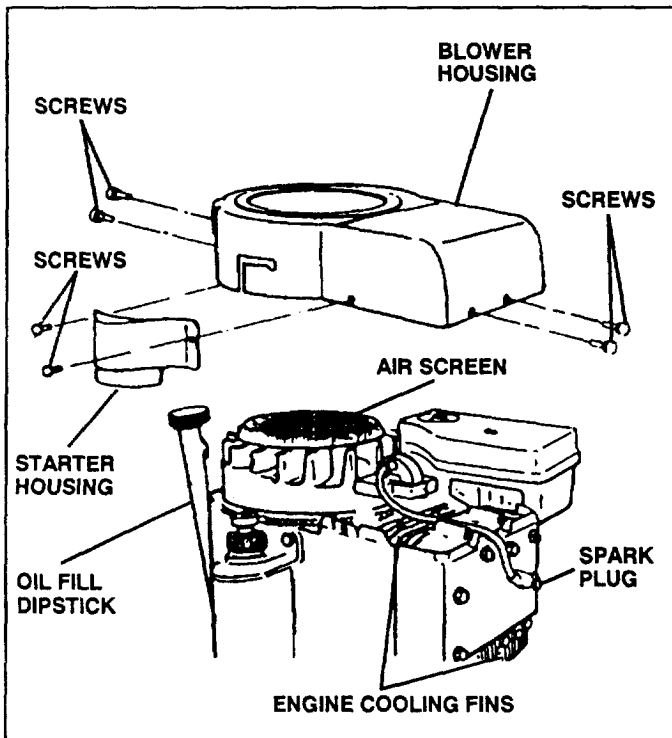


FIG. 19

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. 20)

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.

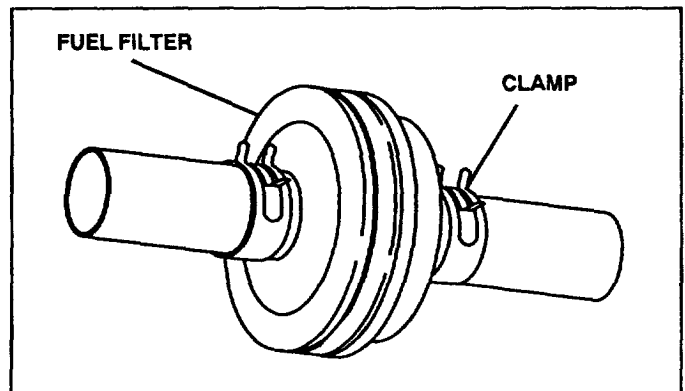


FIG. 20

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.

LAWN RIDER

TO REMOVE MOWER (See Fig. 21)

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

- Park tractor on a level surface and engage parking brake.
- Remove key from ignition.
- Be sure that mower clutch lever is in "DISENGAGED" position.
- Lower mower deck to lowest cutting position.
- Remove retainer spring and washer that holds mower clutch spring to the mower clutch arm.
- Disconnect mower clutch spring from mower clutch arm.
- Remove retainer springs and washers from mower stabilizer link.
- Remove retainer springs and washers from rear lift links.
- Remove retainer spring and washer from front lift link.
- Withdraw front lift links, rear lift links and mower stabilizer link from axle brackets.
- Remove belt from engine pulley.
- Raise mower lift handle to transport position.
- Turn front tires to left.
- Slide mower deck out on right side of tractor.

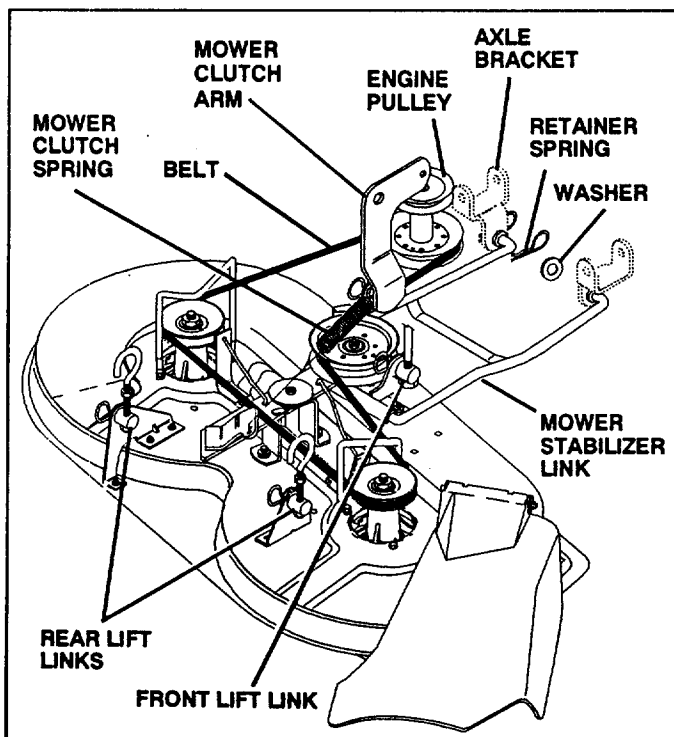


FIG. 21

TO INSTALL MOWER (See Fig. 21)

- Reverse removal instructions.

MOWER UPSTOP ADJUSTMENT (See Fig. 22)

- Raise mower lift lever to highest (transport) position.
- Measure distance from top of mower deck to lower flange of chassis (dim. "A").
- Dim. "A" should be 3-3/8 to 3-1/2 inches.
- To adjust dim. "A", if required, lower mower to lowest position. Remove washer and retainer spring in trunnion, then withdraw trunnion pin from bracket. Loosen lower trunnion locknut and rotate trunnion counter-clockwise on lift link to increase dim. "A" or clockwise on lift link to decrease dim. "A".
- Tighten lower trunnion locknut.

NOTE: Each full turn of trunnion will change dim. "A" by 1/16 inch. Re-insert trunnion into bracket with pin pointing to L.H. side of unit. Re-install washer and retainer spring.

- Raise lift lever to highest position and recheck dim. "A". Repeat adjustment if necessary.

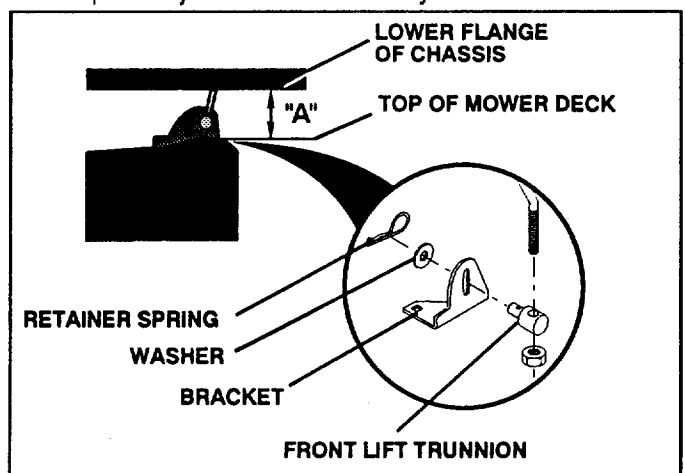


FIG. 22

SERVICE AND ADJUSTMENTS

TO LEVEL MOWER HOUSING (See Fig. 23 - Fig. 26)

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.

NOTE: One rotation of trunnion nut is equivalent to approximately 1/8 inch of height change. Be sure upper and lower nuts are tightened against trunnion after adjustment has been completed.

- Place mower height adjustment knob in position "3" (See Fig. 23).
- Lower mower lift lever to height adjustment knob.

SIDE-TO-SIDE ADJUSTMENT (See Figs. 24 and 25) -

- Measure distance from ground to lower flange of mower deck on both sides of mower (dim. "B" & "C"). Dim. "B" & "C" should be the same.

Level the mower side-to-side by adjusting the left rear lift link.

- To raise left side of mower, loosen upper trunnion nut tighten the lower trunnion nut.
- To lower left side of mower, loosen lower trunnion nut and tighten upper trunnion nut.

FRONT-TO-BACK ADJUSTMENT (See Figs. 25 and 26)-

To obtain the best cutting results, the mower housing should be adjusted so the rear is approximately 1/4 to 3/8" higher than the front when the mower is in height adjustment position "3".

- Measure distance from ground line to lower flange of deck at right front and right rear (dim. "D" & "E") in line with front and rear tires.

Raise or lower rear of mower housing by adjusting the right rear lift link.

- To raise rear of mower housing, loosen upper trunnion nut and tighten lower trunnion nut.
- To lower rear of mower housing, loosen the lower trunnion nut and tighten upper trunnion nut.
- Recheck side-to-side adjustment.

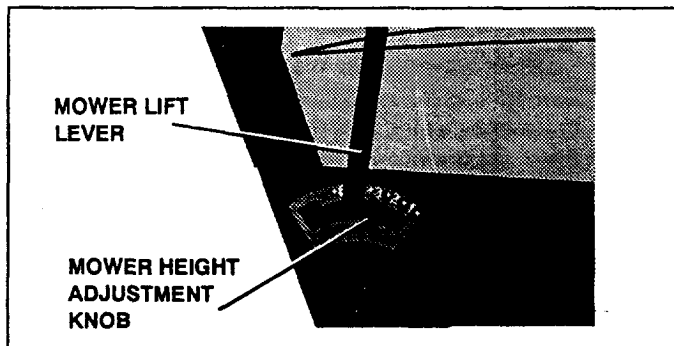


FIG. 23

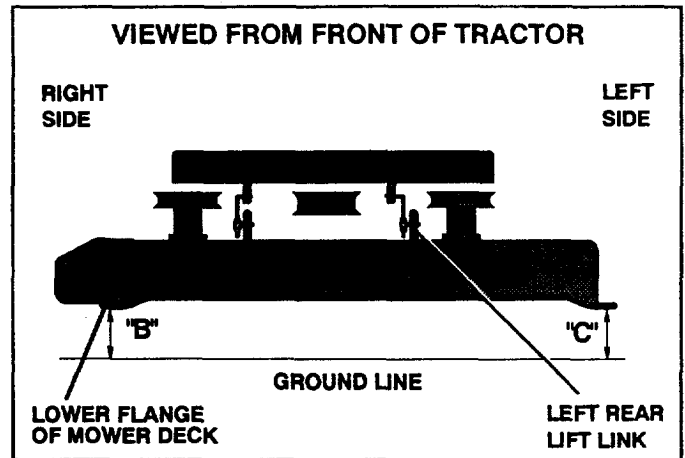


FIG. 24

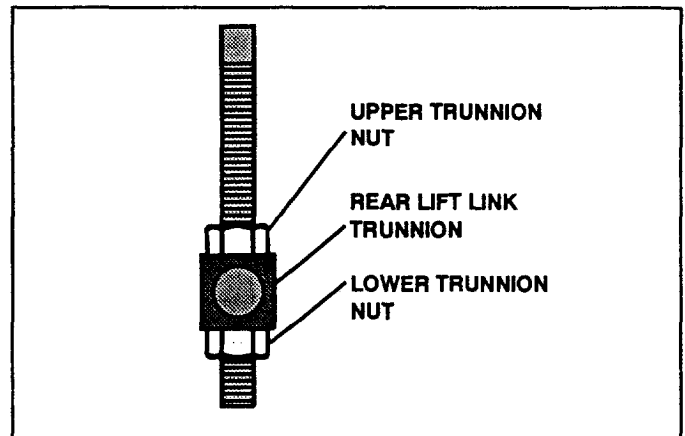


FIG. 25

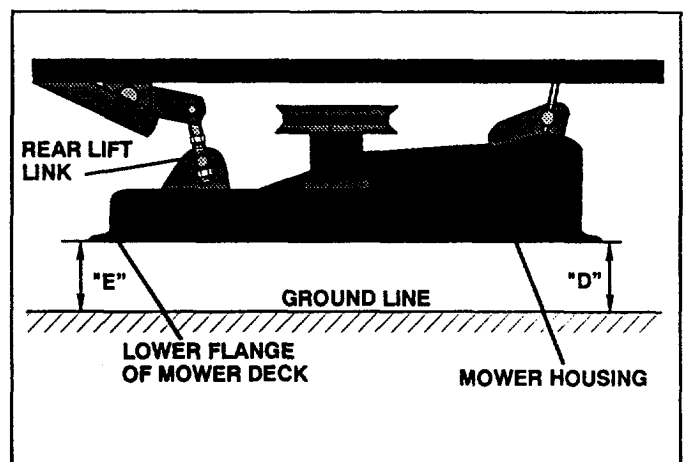


FIG. 26

SERVICE AND ADJUSTMENTS

TO ADJUST BRAKE (See Fig. 27)

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 1-5/8", disengage parking brake, loosen jam nut and turn nut "A" until distance becomes 1-5/8". 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.

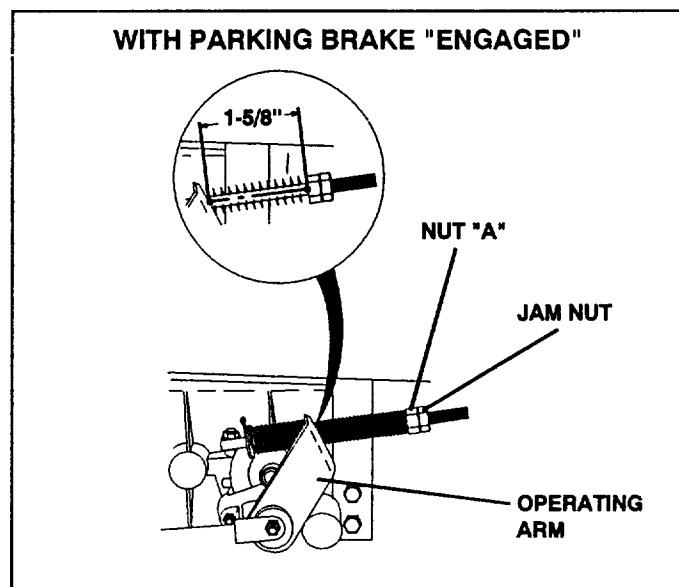


FIG. 27

TO REPLACE MOTION DRIVE BELT (See Fig. 28)

The tractor drive belt may be replaced without tools. Park the tractor on level area. Engage parking brake. For assistance, there is a belt installation guide decal on bottom side of left footrest.

- Engage parking brake.
- Lower mower lift lever to "lowest" position.
- Turn front wheels fully to left or right.
- Disconnect mower drive belt at engine pulley.
- Disconnect motion drive belt at clutching idler.
- Disconnect motion drive belt at transaxle. Push above transaxle pulley.

- Disconnect motion drive belt at frame belt keeper.
- Disconnect motion drive belt at engine pulley. Thread belt below mower drive sheave and through engine belt keeper and engine pulley.
- Remove belt.
- Install new belt by reversing above procedure.
- Make sure that belt is inside all belt keepers.

IMPORTANT: REPLACE ONLY WITH BELT LISTED IN THIS MANUAL.

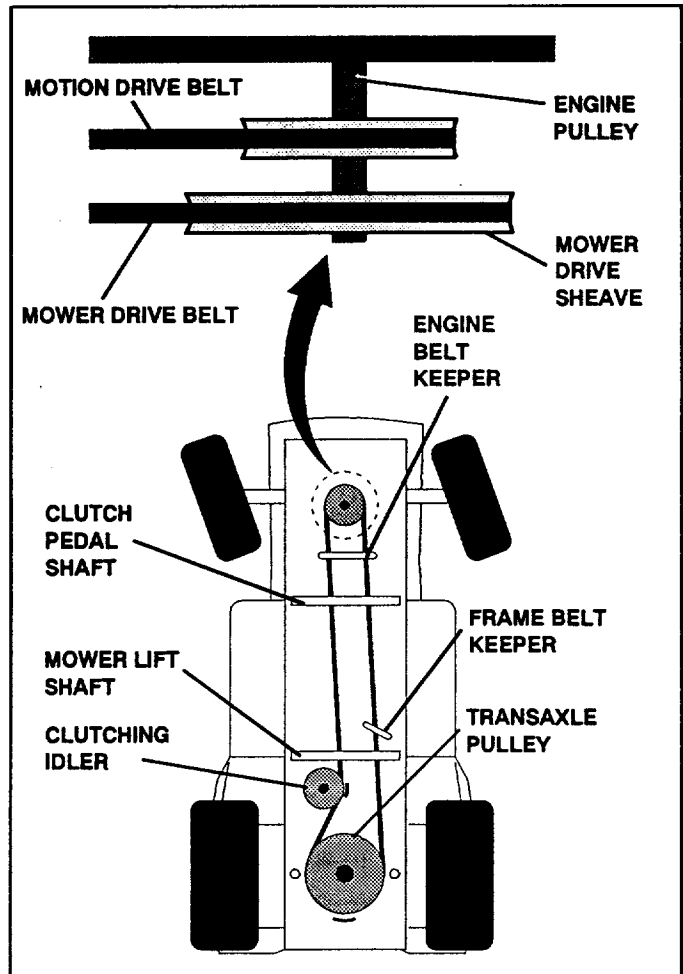


FIG. 28

TO ADJUST STEERING WHEEL ALIGNMENT

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

FRONT WHEEL TOE-IN/CAMBER

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

SERVICE AND ADJUSTMENTS

TO REMOVE WHEEL FOR REPAIRS (See Fig. 29)

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

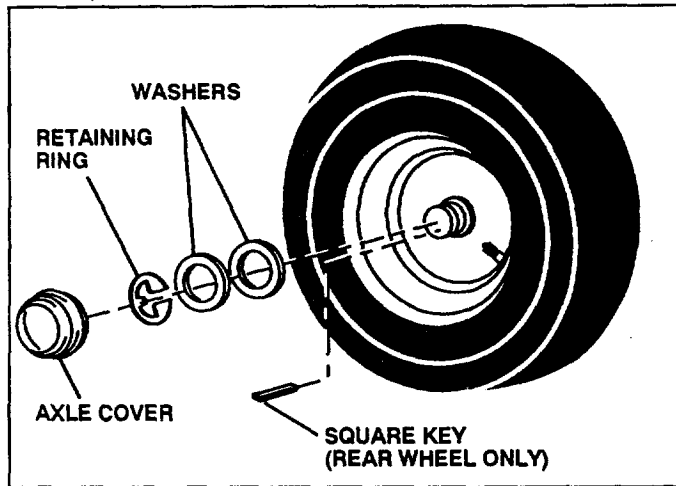


FIG. 29

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



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

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

IMPORTANT: YOUR UNIT IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUND SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUND 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 good CHASSIS GROUND, 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.

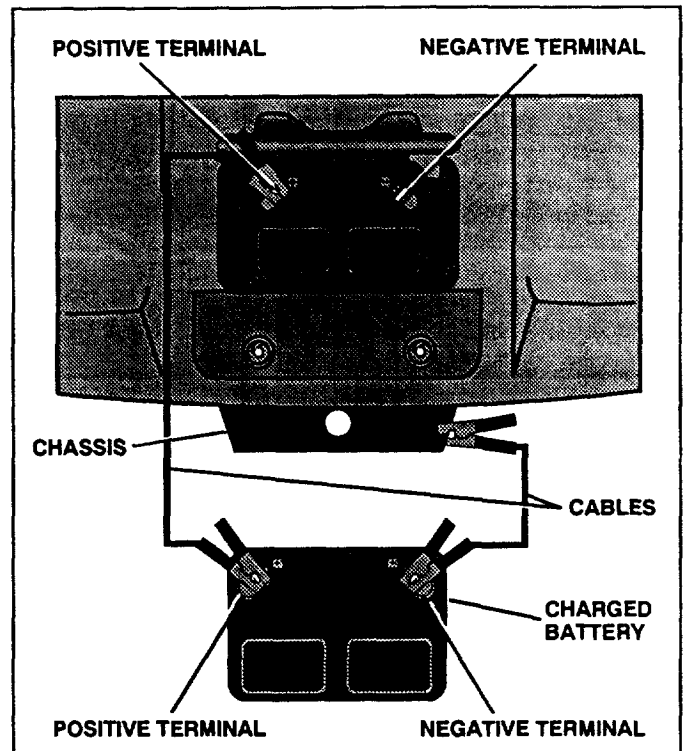


FIG. 30

TO REPLACE FUSE

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located next to the battery box, accessible from left rear wheel area.

INTERLOCKS AND RELAYS

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

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

TO REMOVE HOOD (See FIG. 31)

- With hood closed, remove hood spring from hole in grill strap.
- Remove left side and right side pivot.
- Lift hood off unit.
- To reassemble hood, reverse above procedure.

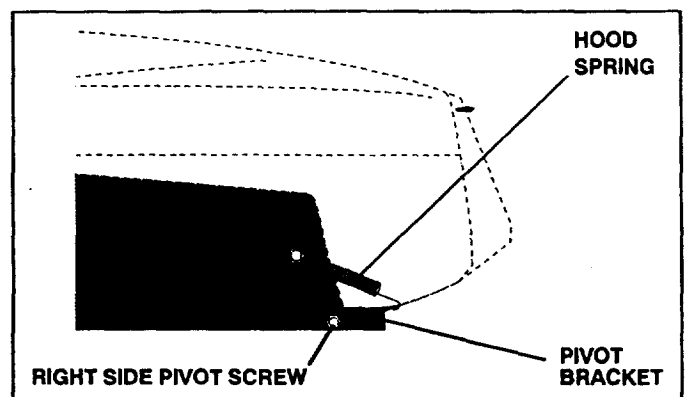


FIG. 31

SERVICE AND ADJUSTMENTS

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 32)

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

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

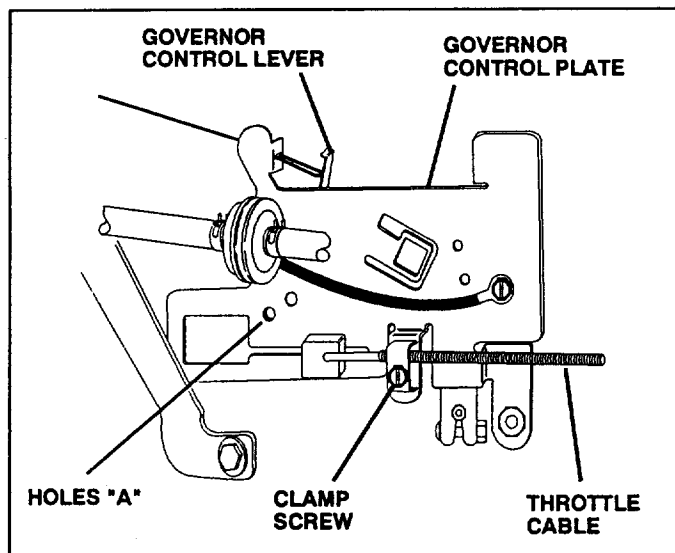


FIG. 32

TO ADJUST CARBURETOR (See Fig. 33)

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

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

IMPORTANT: DAMAGE TO THE NEEDLE VALVE AND THE SEAT IN CARBURETOR MAY RESULT IF SCREW IS TURNED IN TOO TIGHT.

PRELIMINARY SETTING -

- Air cleaner assembly must be assembled to the carburetor when making carburetor adjustments.
- Be sure the throttle control cable is adjusted properly (see above).
- With engine off turn idle mixture valve **in** (clockwise) closing it finger tight and then turn **out** (counterclockwise) 1 full turn.

FINAL SETTING -

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

ACCELERATION TEST -

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

High speed stop is factory adjusted. Do not adjust - 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.

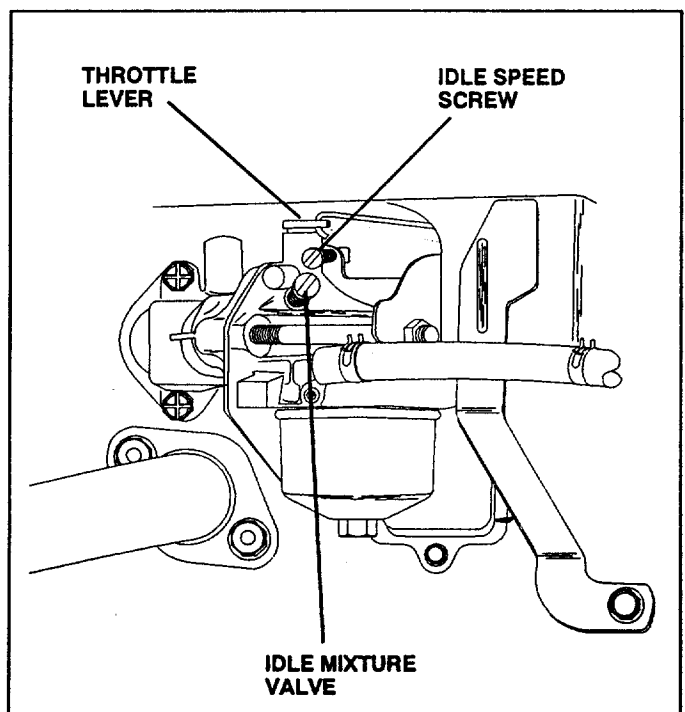


FIG. 33

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

BATTERY

- Fully charge the battery for storage.
- After a period of time in storage, battery may require recharging.
- To help prevent corrosion and power leakage during long periods of storage, battery cables should be disconnected and battery cleaned thoroughly (see "TO CLEAN BATTERY AND TERMINALS" in the Maintenance section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- 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 Maintenance 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 ARE STILL WARM.

TROUBLESHOOTING POINTS

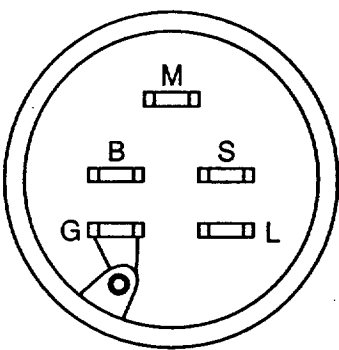
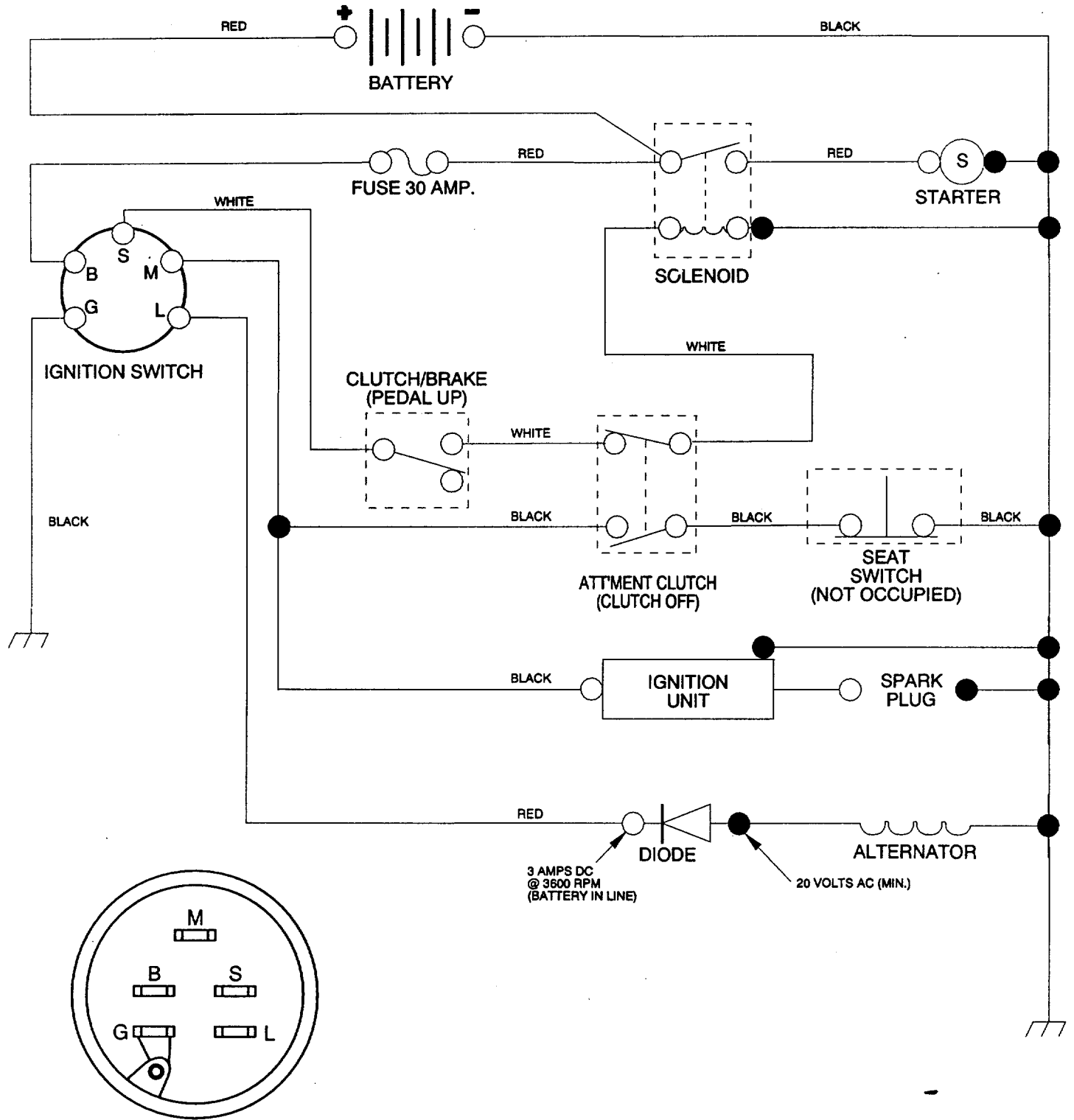
| PROBLEM | CAUSE | CORRECTION |
|----------------------------------|---|--|
| Will not start | <ol style="list-style-type: none"> 1. Out of fuel. 2. Engine not "CHOKED" properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 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 the 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. Spark plug wire is disconnected. 4. Weak or dead battery. 5. Blown fuse. 6. Corroded battery terminals. 7. Loose or damaged wiring. 8. Faulty ignition switch. 9. Faulty solenoid or starter. 10. Faulty operator presence switch(es). | <ol style="list-style-type: none"> 1. Depress clutch/brake pedal. 2. Disengage attachment clutch. 3. Connect wire to spark plug. 4. Recharge or replace battery. 5. Replace fuse. 6. Clean battery terminals. 7. Check all wiring. 8. Check/replace ignition switch. 9. Check/replace solenoid or starter. 10. 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. | <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. |
| Mower blades will not rotate | <ol style="list-style-type: none"> 1. Obstruction in clutch mechanism. 2. Mower drive belt out of adjustment. 3. Worn/damaged mower drive belt. 4. Frozen idler pulley. 5. Frozen blade mandrel. | <ol style="list-style-type: none"> 1. Remove obstruction. 2. Adjust mower drive belt. 3. Replace mower drive belt. 4. Replace idler pulley. 5. 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 or out of adjustment. 9. Blades improperly installed. 10. Improper blades used. | <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/adjust mower drive belt. 9. Reinstall blades sharp edge down. 10. Replace with blades listed in this manual. |
| 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). | <ol style="list-style-type: none"> 1. Replace battery. 2. Check/clean all connections. 3. Replace regulator. |

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

SCHEMATIC



IGNITION SWITCH

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

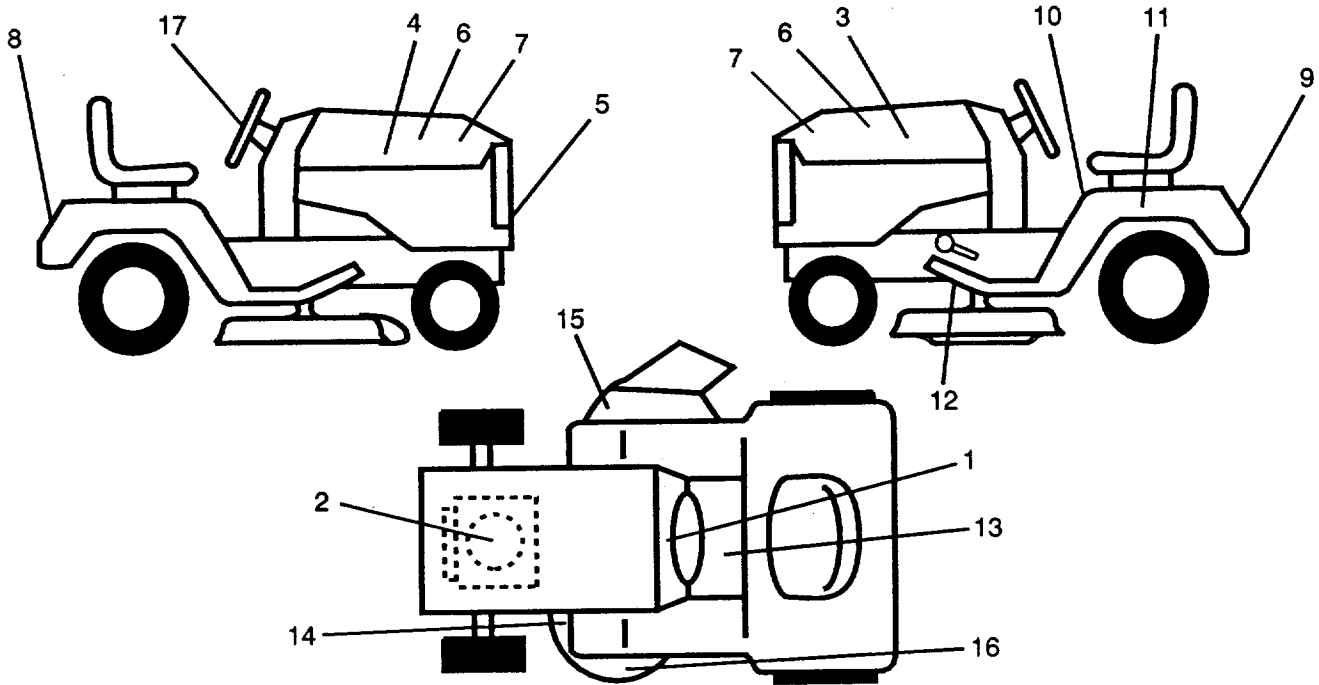
- NON-REMOVABLE CONNECTIONS
- REMOVABLE CONNECTIONS

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

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

DECALS



KEY PART NO. NO.

DESCRIPTION

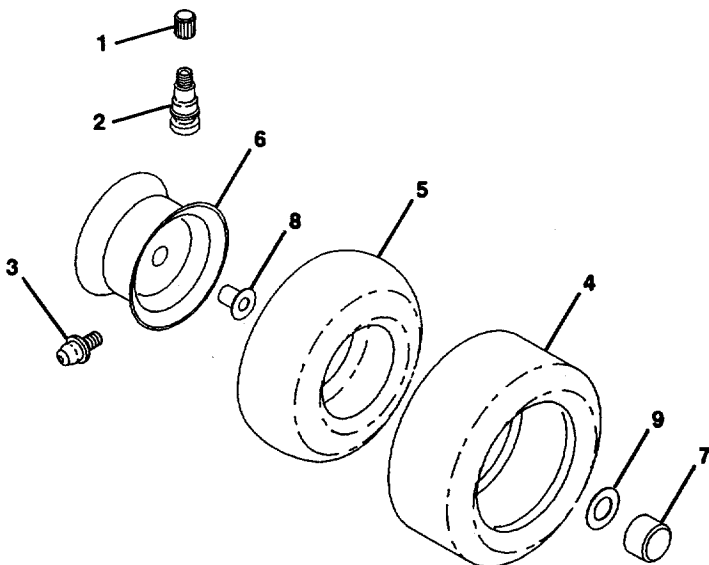
| | | |
|----|---------|----------------------------|
| 1 | 126712X | Decal, Instruction, Engine |
| 2 | 126685X | Decal, Engine |
| 3 | 130622 | Decal, Stripe, Hood, L.H. |
| 4 | 130621 | Decal, Stripe, Hood, R.H. |
| 5 | 126241X | Decal, Grill |
| 6 | 126770X | Decal, Side Panel |
| 7 | 108631X | Decal, II |
| 8 | 125880X | Decal, Fender |
| 9 | 127521 | Decal, USA |
| 10 | 106974X | Decal, Caution |

KEY PART NO. NO.

DESCRIPTION

| | | |
|----|---------|-------------------------------|
| 11 | 121549X | Decal, Caution, Battery |
| 12 | 123408X | Decal, V-Belt Drive |
| 13 | 126701X | Pad, Center |
| 14 | 105814X | Decal, Mower Drive Belt |
| 15 | 121343X | Decal, Danger |
| 16 | 3713J | Decal, Rotating Blades |
| 17 | 125879X | Decal, Steering Wheel Insert |
| -- | 101539X | Sheet, Instruction, 15° Slope |
| -- | 130147 | Manual, Owner's |

WHEELS & TIRES



KEY PART NO. NO.

DESCRIPTION

| | | |
|---|------------|-----------------------------------|
| 1 | 59192 | Cap, Valve |
| 2 | 65139 | Stem, Valve |
| 3 | 278H | Fitting, Grease (Front Only) |
| 4 | 123410X | Tire, Front |
| | 106230X | Tire, Rear |
| 5 | 59904 | Tube, Tire, Front |
| | | (Not Supplied, Service Item Only) |
| | 8134H | Tube, Tire, Rear |
| | | (Not Supplied, Service Item Only) |
| 6 | 122394X361 | Rim, Front |
| | 123412X361 | Rim, Rear |
| 7 | 104757X | Cap, Axle (Front and Rear) |
| 8 | 9040H | Bearing, Flange (Front only) |
| 9 | 121748X | Washer 25/32 x 1-5/8 x 16 Gauge |

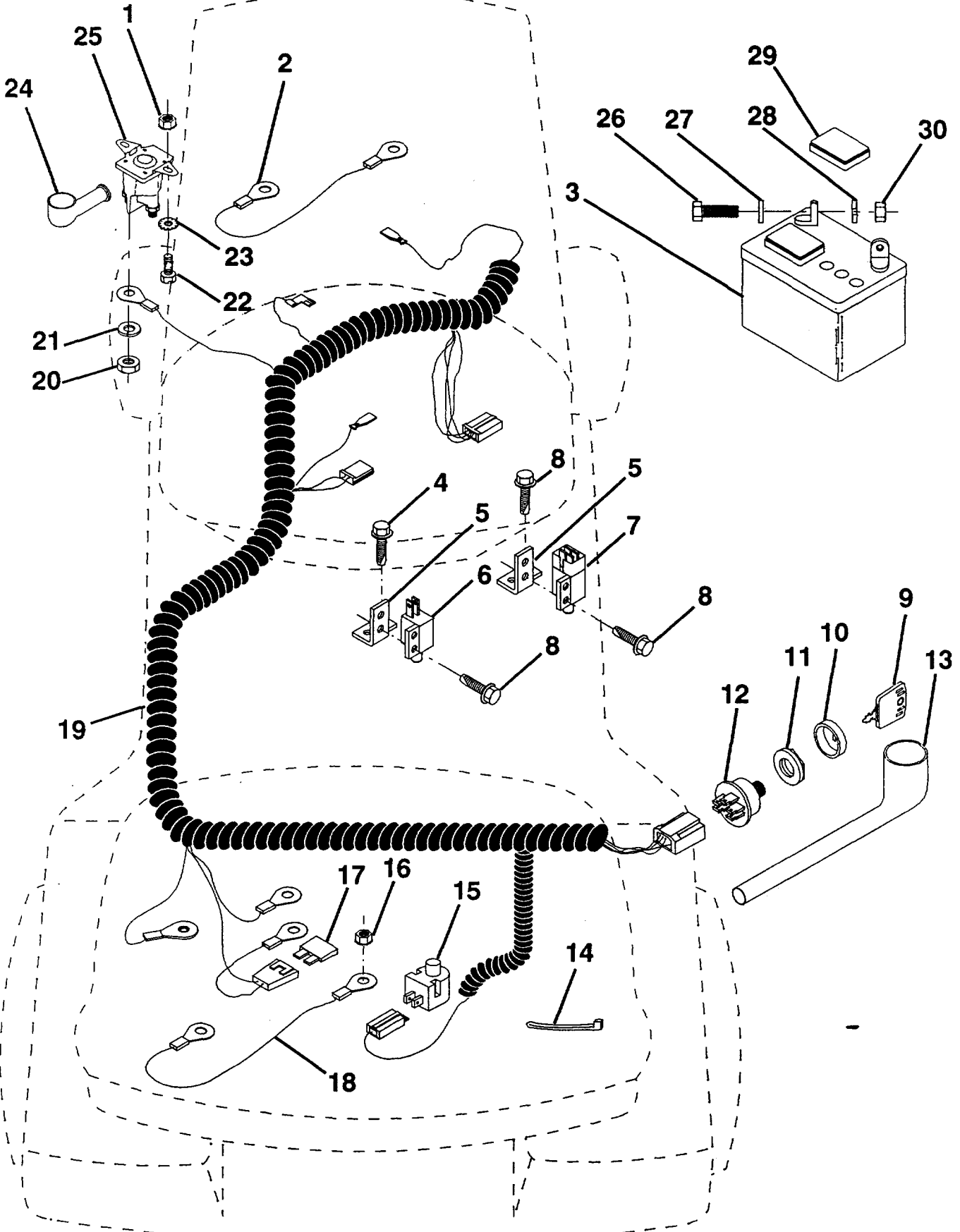
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER -- MODEL NUMBER 917.257462

ELECTRICAL



REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

ELECTRICAL

| KEY PART NO. | PART NO. | DESCRIPTION |
|--------------|-----------|--|
| 1 | 73510400 | Nut, Hex, Keps 1/4-20 UNC |
| 2 | 108423X | Assembly, Cable |
| 3 | 121265X | Battery |
| 4 | STD611005 | * Screw, Hex Washer Head, Tapping #10-16 x 1/2 |
| 5 | 108236X | Bracket, Switch |
| 6 | 104445X | Switch, Interlock |
| 7 | 109553X | Switch, Interlock |
| 8 | STD601005 | * Screw, Hex Head, Tapping #10-24 x 1/2 |
| 9 | 109310X | Key, Molded |
| 10 | 123620X | Cover, Key, Ignition |
| 11 | 124211X | Nut, Ignition |
| 12 | STD365402 | * Switch, Ignition |
| 13 | 124083X | Cover, Ignition Switch |
| 14 | 7192J | Tie, Cable |
| 15 | 121305X | Switch, Plunger |
| 16 | STD541431 | * Nut, Keps 5/16-18 |
| 17 | 108824X | Fuse |
| 18 | 128353 | Assembly, Cable |
| 19 | 132223 | Harness, Ignition |
| 20 | 73350400 | Nut, Hex, Jam 1/4-20 |
| 21 | STD551125 | * Washer, Lock 1/4 |
| 22 | 74780408 | Bolt, Hex 1/4-20 x 12 Grade 5 |
| 23 | STD551225 | * Washer, Lock, External Tooth 1/4 |
| 24 | 131563 | Cover, Terminal |
| 25 | 109081X | Solenoid |
| 26 | 74760412 | Bolt, Hex Head 1/4-20 UNC x 3/4 |
| 27 | STD551025 | * Washer 9/32 x 5/8 x 16 Gauge |
| 28 | STD551125 | * Washer, Lock, Hvy. Hel. Spring 1/4 |
| 29 | 121264X | Cap, Battery |
| 30 | STD541025 | * Nut, Hex, Fin 1/4-20 |

* STANDARD HARDWARE - - PURCHASE LOCALLY

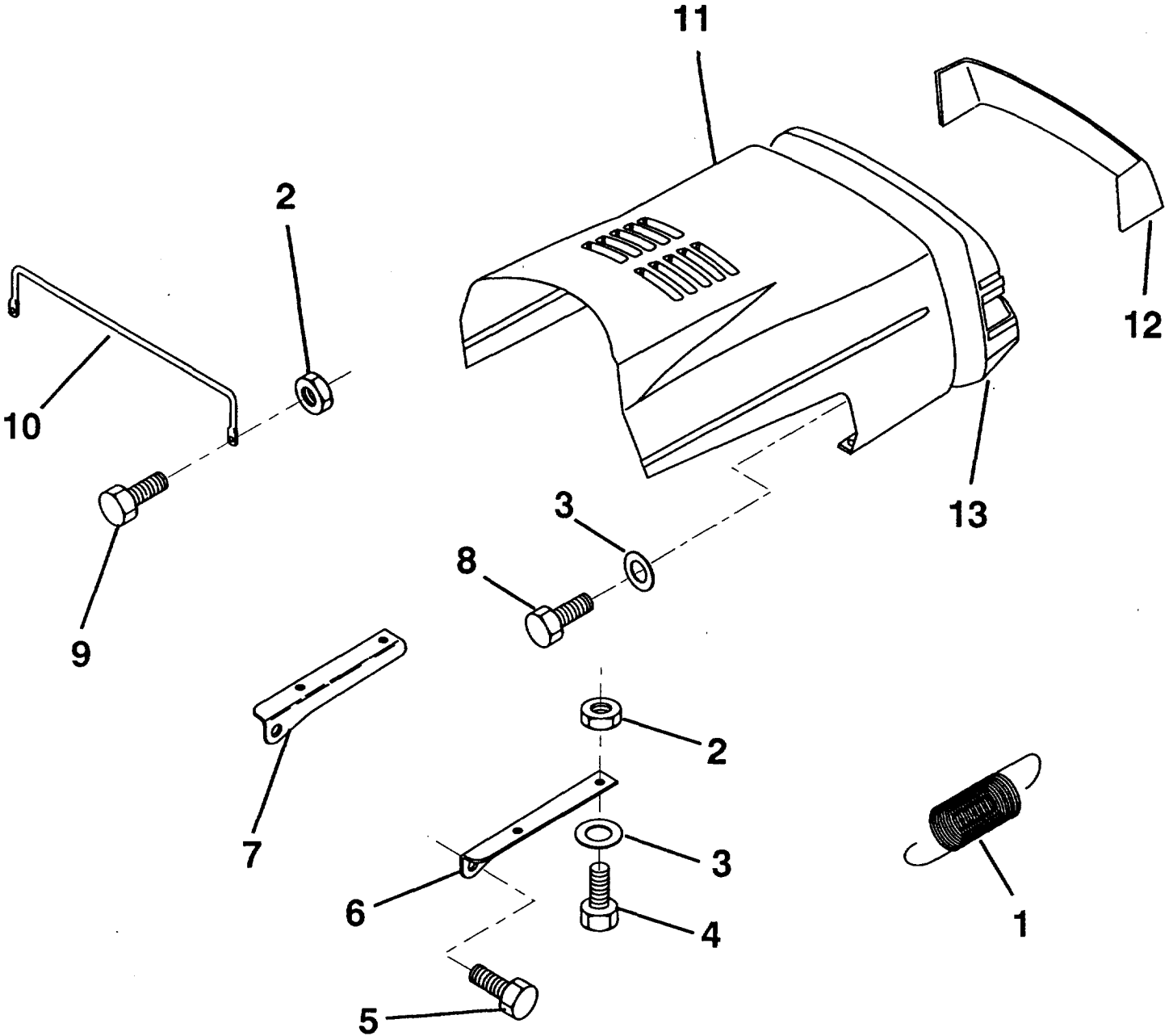
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

HOOD



KEY PART NO. NO.

| KEY PART NO. | NO. | DESCRIPTION |
|--------------|-----------|---|
| 1 | 124657X | Spring, Extension |
| 2 | STD541425 | * Nut, Hex, Keps 1/4-20 UNC |
| 3 | STD551025 | * Washer 9/32 x 5/8 x 16 Gauge |
| 4 | STD522506 | * Bolt, Hex, Fin 1/4-20 UNC x 5/8 Grade 5 |
| 5 | 126675X | Bolt, Shoulder |
| 6 | 122549X | Bracket, Hood, RH |
| 7 | 122548X | Bracket, Hood, LH |
| 8 | 17411310 | Screw, Hex, Fin #13-16 Hi-Lo x 5/8 |

KEY PART NO. NO.

| KEY PART NO. | NO. | DESCRIPTION |
|--------------|------------|---------------------------------------|
| 9 | STD522507 | * Bolt, Hex, Fin 1/4-20 x 3/4 Grade 5 |
| 10 | 123693X | Brace, Hood |
| 11 | 122032X361 | Hood |
| 12 | 125745X361 | Plate, Grill Trim |
| 13 | 123705X | Grill |

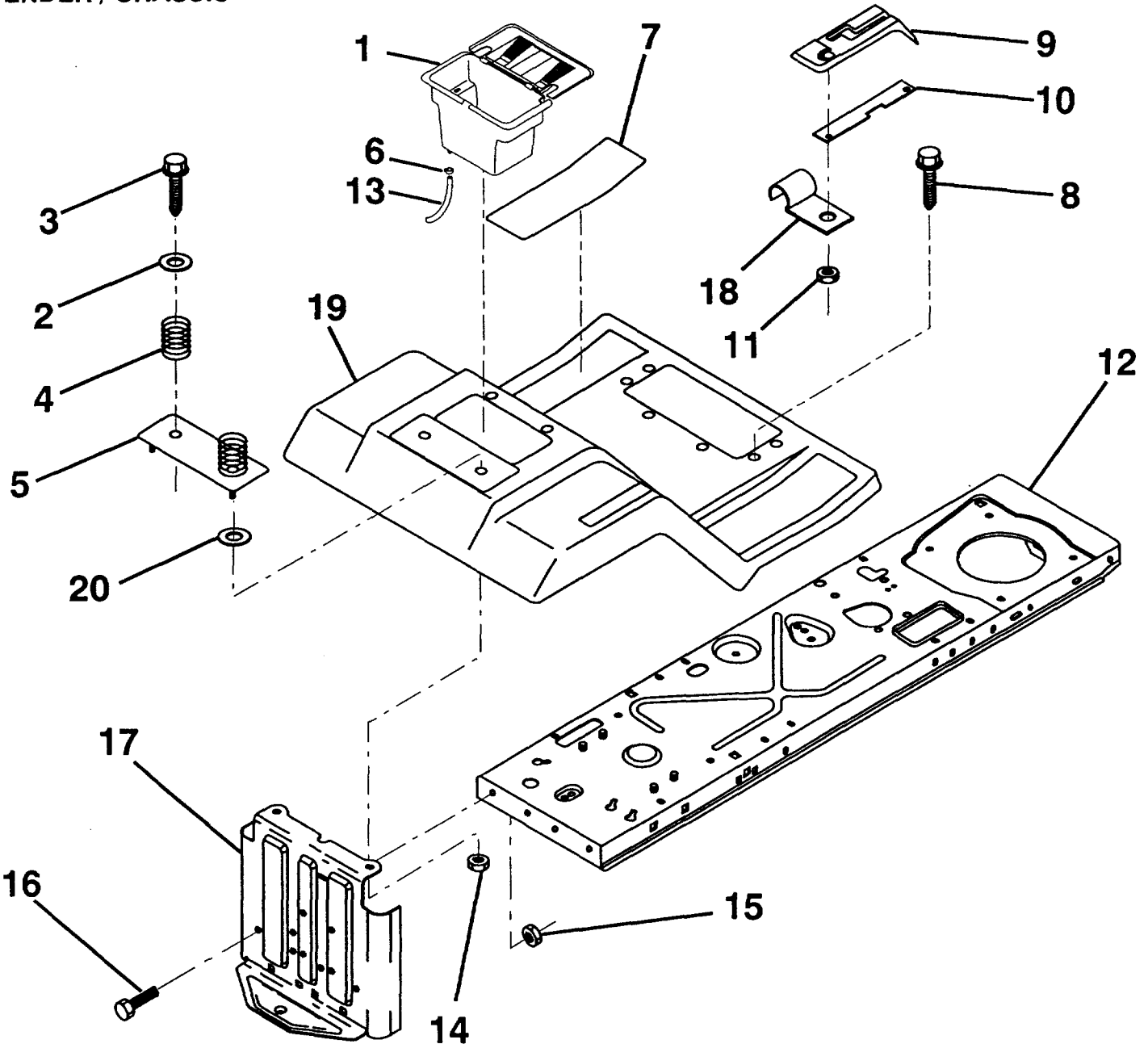
* STANDARD HARDWARE - - PURCHASE LOCALLY
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

FENDER / CHASSIS



KEY PART NO. NO.

DESCRIPTION

| | | |
|----|------------|--|
| 1 | 129965 | Case, Battery |
| 2 | 19132012 | Washer 13/32 x 1-1/4 x 12 Gauge |
| 3 | 17490612 | Screw, Hex Washer Head, Thd. Roll. 3/8-16 x 3/4 |
| 4 | 124181X | Spring, Compression, Seat |
| 5 | 127115X419 | Plate, Fender |
| 6 | 109596X | Clamp, Hose |
| 7 | 126700X | Pad, Footrest |
| 8 | 17490512 | Screw, Hex Washer Head, Thd. Roll. 5/16-18 x 3/4 |
| 9 | 126995X | Console, Shift Control |
| 10 | 124602X | Bar, Shift Lock |
| 11 | 124346X | Nut, Self-Threading 3/16 |

KEY PART NO. NO.

DESCRIPTION

| | | |
|----|------------|-------------------------------|
| 12 | 123645X | Assembly, Frame |
| 13 | 105687X | Tube, Battery Drain |
| 14 | 73510400 | Nut, Hex, Keps 1/4-20 |
| 15 | STD541431 | * Nut, Crownlock 5/16-18 |
| 16 | STD523107 | * Bolt, Hex 5/16-18 UNC x 3/4 |
| 17 | 127880 | Drawbar |
| 18 | 126470X | Clip, Insulated |
| 19 | 128083X417 | Fender/Footrest |
| 20 | 19091413 | Washer 9/32 x 7/8 x 13 Gauge |

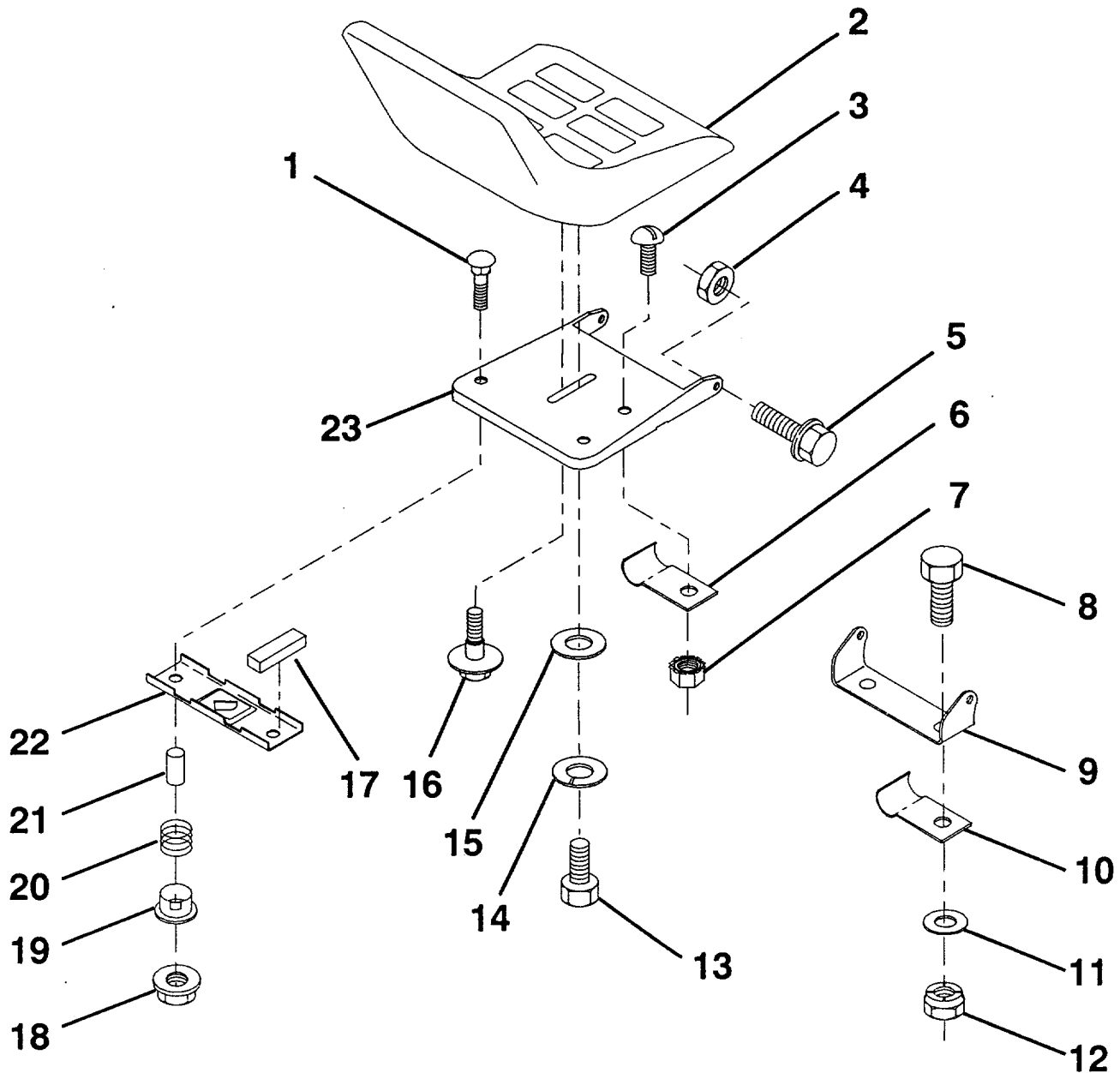
* STANDARD HARDWARE - - PURCHASE LOCALLY
NOTE: All component dimensions given in U.S. inches
 1 inch = 25.4 mm

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

SEAT



| KEY PART NO. NO. | DESCRIPTION |
|------------------|--|
| 1 72050411 | Bolt, Carriage 1/4-20 x 1-3/8 |
| 2 127436 | Seat |
| 3 STD511005 | * Screw, Slotted Pan Head #10-32 x 1/2 |
| 4 STD541431 | * Nut, Crownlock 5/16-18 |
| 5 105529X | Bolt, Shoulder 5/16-18 UNC |
| 6 4171R | Clip, Insulated |
| 7 73951000 | Nut, Keps #10-32 UNF |
| 8 STD523707 | * Bolt, Hex, Fin 3/8-16 UNC x 3/4 |
| 9 126656X | Bracket, Pivot, Seat |
| 10 126471X | Clip, Insulated |
| 11 19131210 | Washer 13/32 x 3/4 x 10 Gauge |
| 12 STD541437 | * Nut, Crownlock 3/8-16 UNC |
| 13 74780814 | Bolt, Hex, Fin 1/2-13 UNC x 1 |

| KEY PART NO. NO. | DESCRIPTION |
|------------------|------------------------------------|
| 14 STD551150 | * Washer, Lock 1/2 |
| 15 19171912 | Washer 17/32 x 1-3/16 x 12 Gauge |
| 16 127018X | Bolt, Shoulder |
| 17 121251X | Strip, Foam |
| 18 123976X | Locknut, Hex, Large, Flange |
| 19 121248X | Bushing, Snap |
| 20 121250X | Spring, Compression |
| 21 121249X | Spacer, Split, Large .28 Id. x .88 |
| 22 121246X | Bracket, Switch, Mounting |
| 23 124294X | Pan, Seat |

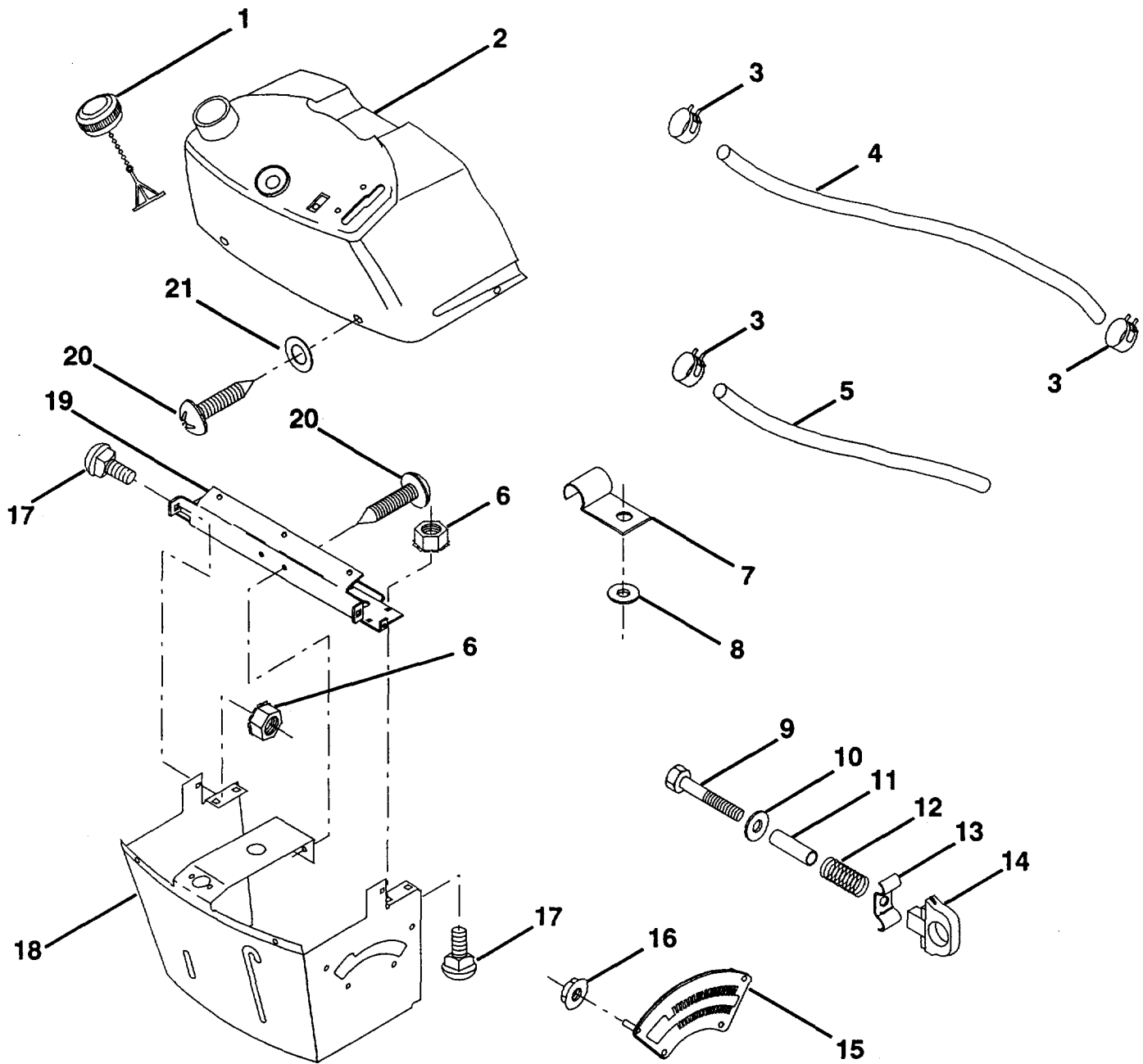
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

DASH



KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|---------------------------------|
| 1 | 122015X | Cap, Fuel |
| 2 | 130913 | Assembly, Dash & Fuel Tank |
| 3 | 123487X | Clamp, Hose |
| 4 | 8544R | Line, Fuel |
| 5 | 8548R | Line, Fuel |
| 6 | STD541425 | * Nut, Hex, Keps 1/4-20 |
| 7 | 2751R | Clip, Fuel Line |
| 8 | STD551025 | * Washer 9/32 x 3/4 x 16 Gauge |
| 9 | 74760428 | Bolt, Hex, Fin. 1/4-20 x 1-3/4 |
| 10 | 19091413 | Washer 11/32 x 11/16 x 16 Gauge |
| 11 | 121249X | Spacer, Split |
| 12 | 3720R | Spring |

KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|---------------------------------------|
| 13 | 126450X | Clip, Height Adjustment |
| 14 | 126115X | Knob, Height Stop |
| 15 | 122023X | Adjustment, Quadrant Height |
| 16 | 124346X | Nut, Self-Threading 3/16-18 |
| 17 | STD532505 | * Bolt, Carriage 1/4-20 x 1/2 Grade 5 |
| 18 | 130745 | Support Assembly, Dash |
| 19 | 130722 | Brace, Cross |
| 20 | 18000408 | Screw, Self-Tapping 1/4-20 x 1/2 |
| 21 | 19090816 | Washer 9/32 x 1/2 x 16 Gauge |

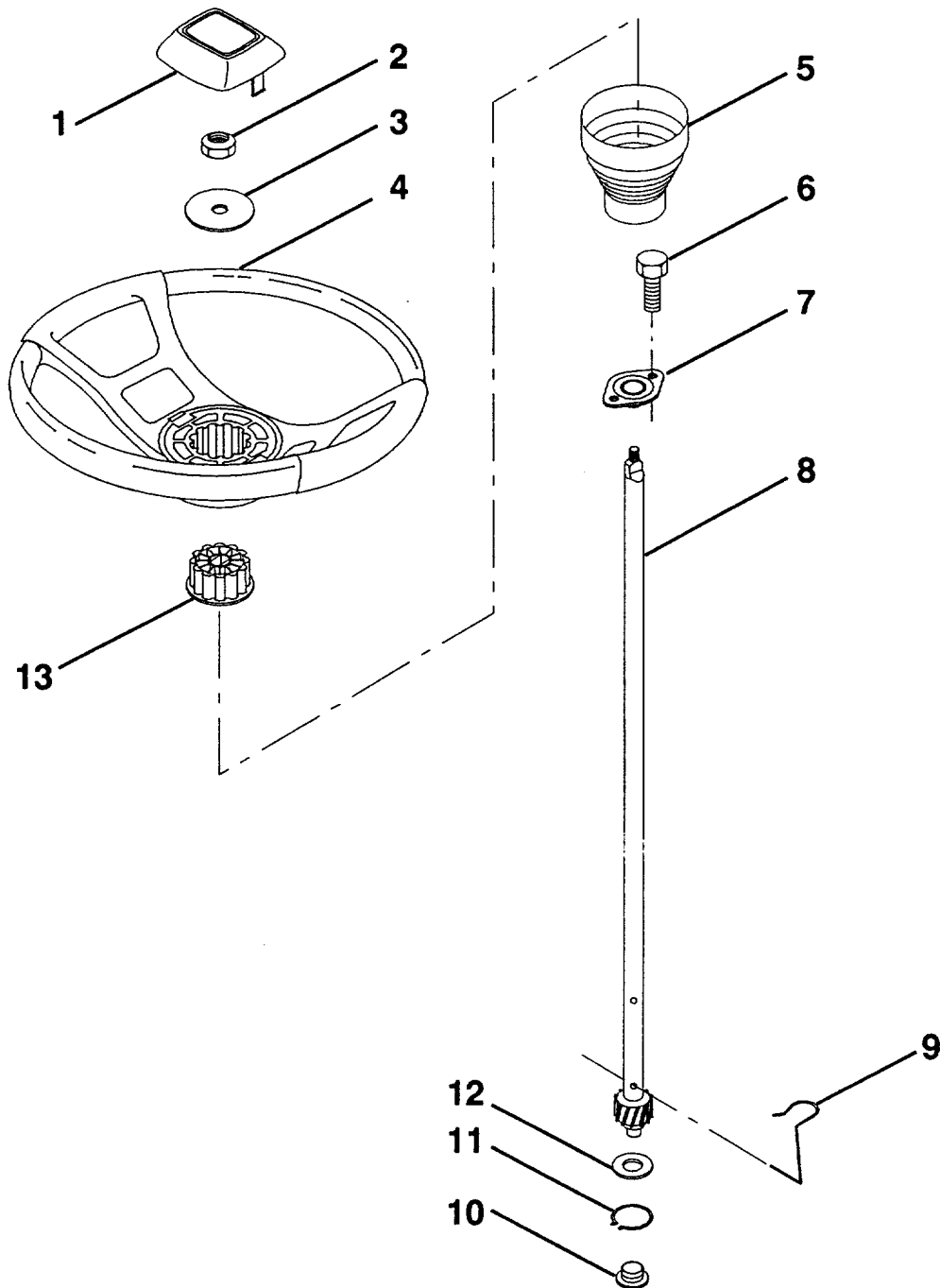
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

STEERING WHEEL



**KEY PART
NO. NO.**

DESCRIPTION

| | | |
|---|-----------|---|
| 1 | 100710L | Insert, Steering Wheel |
| 2 | STD541537 | * Locknut 3/8-24 UNF |
| 3 | 19133808 | Washer 13/32 x 2-3/8 x 8 Gauge |
| 4 | 100713N | Wheel, Steering |
| 5 | 121897X | Sleeve, Steering |
| 6 | STD611005 | * Screw, Hex Self-Tapping #10-16 x 1/2 |
| 7 | 102803X | Bushing, Steering |
| 8 | 123651X | Shaft, Steering |

**KEY PART
NO. NO.**

DESCRIPTION

| | | |
|----|-----------|-------------------------------|
| 9 | 124210X | Clip, Steering |
| 10 | 123438X | Bushing, Lower, Steering |
| 11 | 12000045 | Ring, Retaining |
| 12 | STD551062 | * Washer 21/32 x 1 x 16 Gauge |
| 13 | 104820X | Adaptor, Steering Wheel |

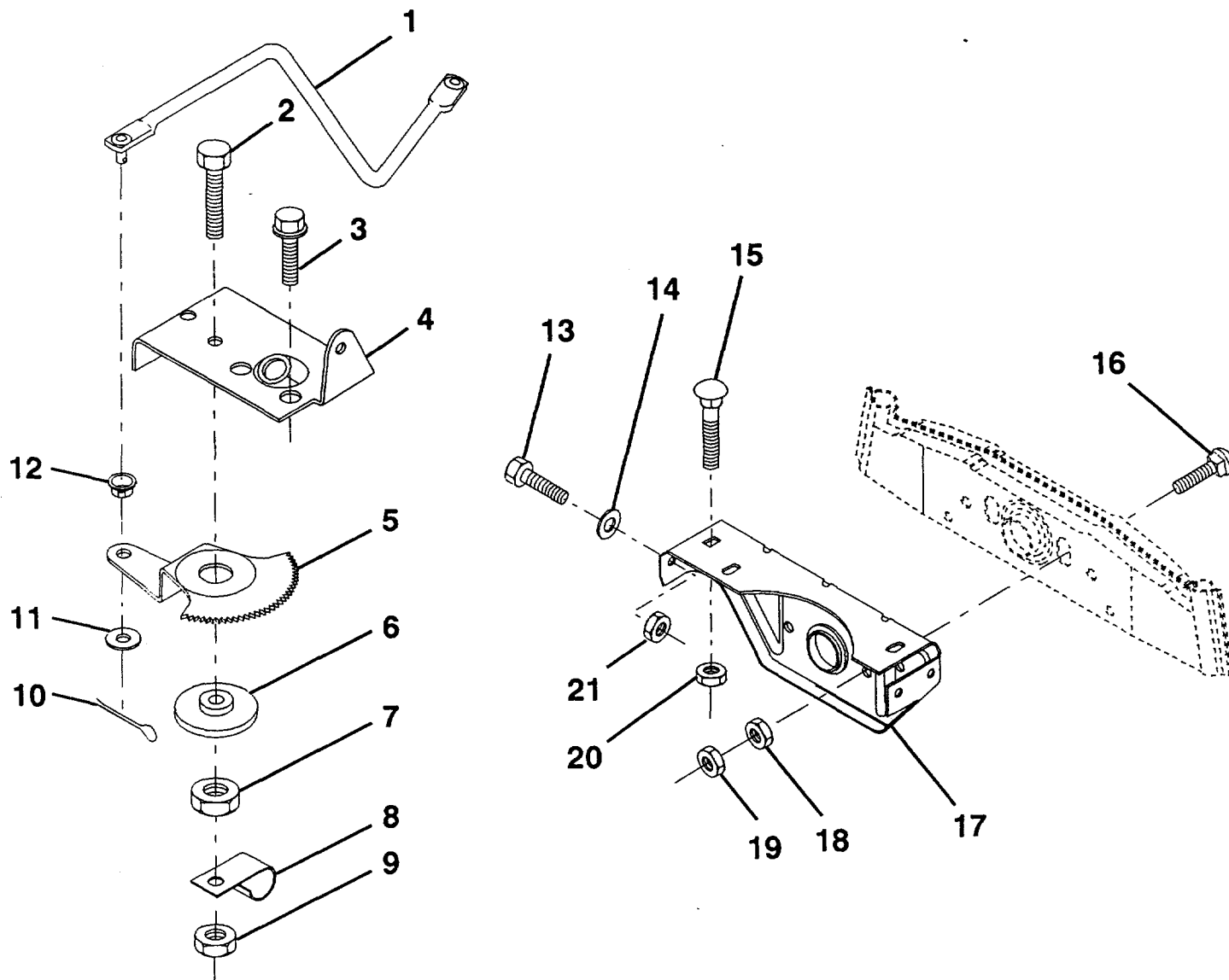
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

SECTOR GEAR / AXLE SUPPORT



| KEY PART NO. NO. | DESCRIPTION |
|------------------|--------------------------------------|
| 1 124093X | Link, Drag |
| 2 74780828 | Bolt, Hex, Fin. 1/2-13 x 1-3/4 |
| 3 17490508 | Screw, Hex, Thd. Roll. 5/16-18 x 1/2 |
| 4 121925X | Plate, Steering Support |
| 5 121926X | Gear, Sector |
| 6 121927X | Bushing |
| 7 73030800 | Nut, Heavy, Hex, Top Lock 1/2-13 UNC |
| 8 126472X | Clip, Wire |
| 9 73680800 | Nut, Crownlock 1/2-13 |
| 10 STD561210 | * Pin, Cotter 1/8 x 3/4 |
| 11 STD551037 | * Washer 13/32 x 13/16 x 16 Gauge |

| KEY PART NO. NO. | DESCRIPTION |
|------------------|-----------------------------------|
| 12 126847X | Bushing |
| 13 STD523107 | * Bolt, Hex 5/16-18 UNC x 3/4 |
| 14 19111416 | Washer 11/32 x 7/8 x 16 Gauge |
| 15 STD533707 | * Bolt, Carriage 3/8-16 UNC x 3/4 |
| 16 72140622 | Bolt, Carriage 3/8-16 x 2-3/4 |
| 17 121912X | Support, Front Axle |
| 18 STD541037 | * Nut, Hex, Fin. 3/8-16 UNC |
| 19 73930600 | Nut, Centerlock 3/8-16 UNC |
| 20 STD541437 | * Nut, Crownlock 3/8-16 UNC |
| 21 STD541431 | * Nut, Crownlock 5/16-18 |

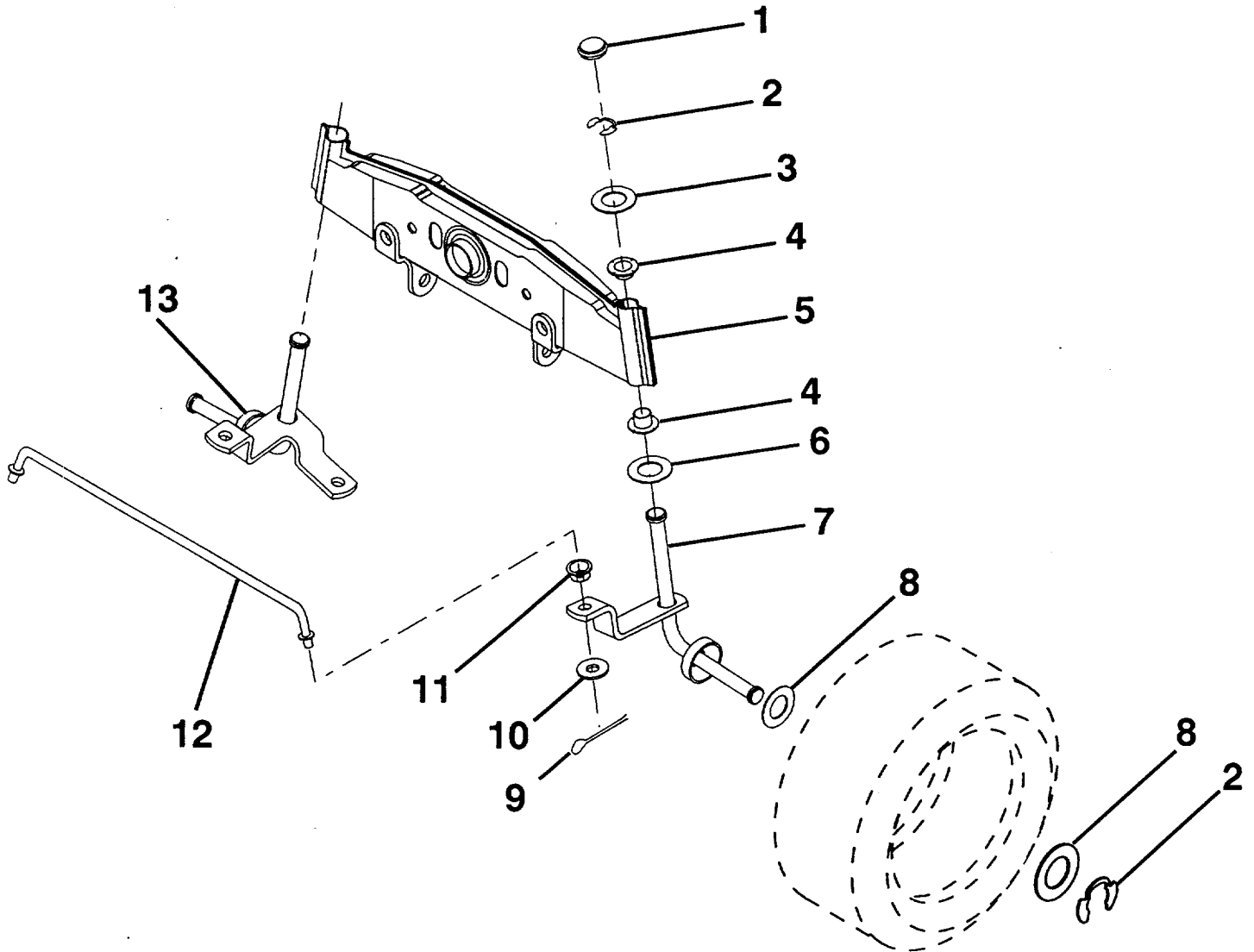
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

FRONT AXLE



KEY PART NO. NO.

DESCRIPTION

| | | |
|---|-----------|---------------------------------|
| 1 | 121232X | Cap, Spindle |
| 2 | 12000029 | Ring, Klip |
| 3 | 121748X | Washer 25/32 x 1-5/8 x 16 Gauge |
| 4 | 121922X | Nyliner |
| 5 | 128543 | Axle, Front |
| 6 | 6266H | Bearing, Thrust |
| 7 | 121919X | Spindle Assembly, RH |
| 8 | 121749X | Washer 25/32 x 1-1/4 x 16 Gauge |
| 9 | STD561210 | * Pin, Cotter 1/8 x 3/4 |

KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|-----------------------------------|
| 10 | STD551037 | * Washer 13/32 x 13/16 x 16 Gauge |
| 11 | 126847X | Bushing |
| 12 | 121924X | Rod, Tie |
| 13 | 121916X | Spindle Assembly, LH |

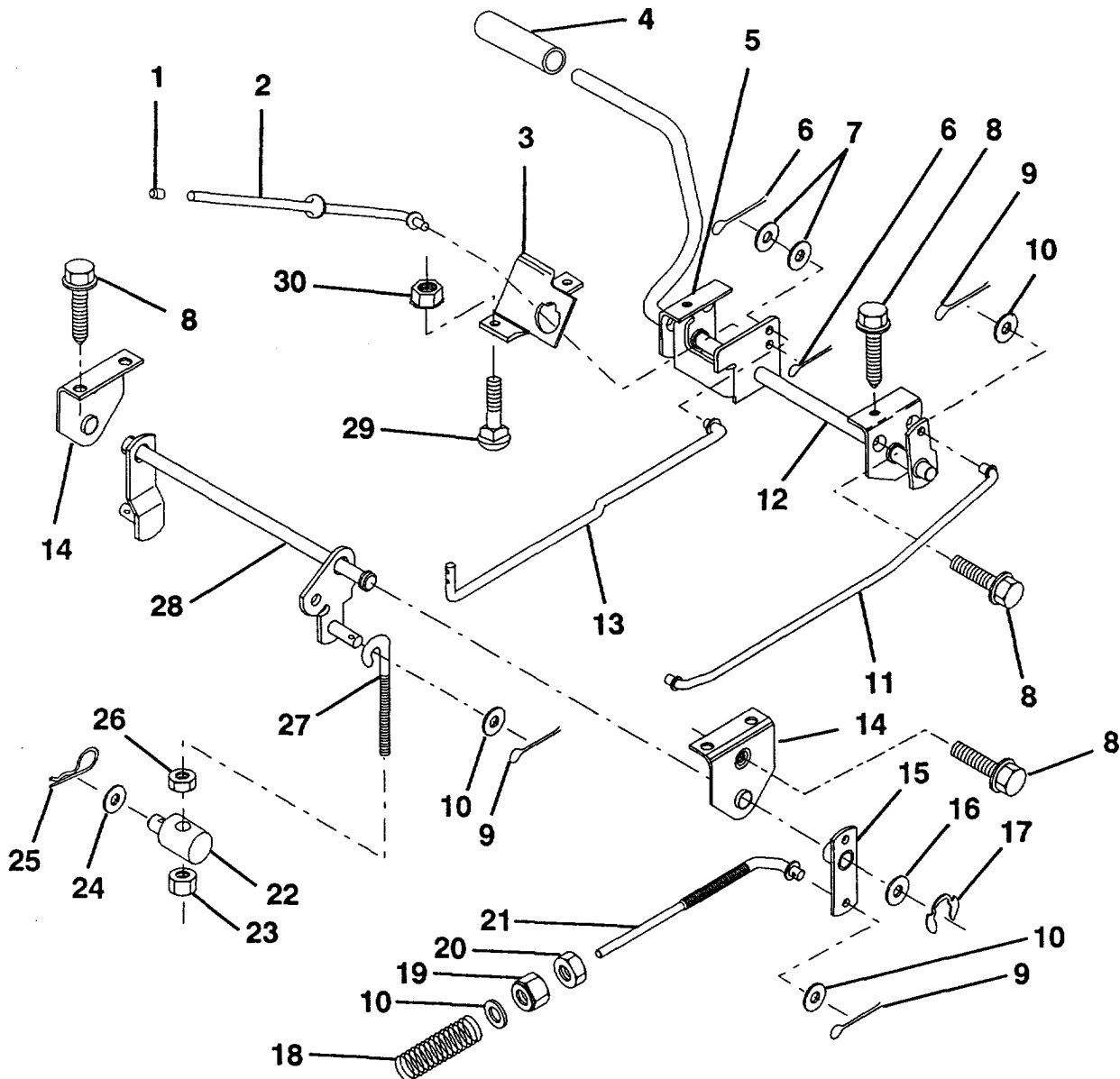
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

BRAKE / REAR MOWER LIFT ASSEMBLY



KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|--------------------------------------|
| 1 | 124236X | Cap, Plunger |
| 2 | 123436X | Rod, Parking Brake |
| 3 | 123437X | Bracket, Parking Brake |
| 4 | 8883R | Cover, Pedal |
| 5 | 122504X | Bracket, Clutch/Brake Pedal, LH |
| 6 | STD560907 | * Pin, Cotter 3/32 x 3/4 |
| 7 | STD551037 | * Washer 13/32 x 5/8 x 16 Gauge |
| 8 | 17490508 | Screw, Hex, Thd. Roll. 5/16-18 x 1/2 |
| 9 | STD561210 | * Pin, Cotter 1/8 x 3/4 |
| 10 | STD551037 | * Washer 13/32 x 13/16 x 16 Gauge |
| 11 | 123543X | Rod, Front Brake |
| 12 | 129567 | Assembly, Clutch/Brake Pedal |
| 13 | 123394X | Rod, Clutch |
| 14 | 121978X | Bracket, Lift, Shaft |
| 15 | 123641X | Assembly, Brake, Pivot, Arm |
| 16 | 19251816 | Washer 25/32 x 1-1/8 x 16 Gauge |

KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|------------------------------------|
| 17 | 12000034 | Ring, Klip |
| 18 | 106888X | Spring, Brake Rod |
| 19 | STD541237 | * Nut, Hex, Jam 3/8-16 UNC |
| 20 | 73680600 | Nut, Crownlock 3/8-16 UNC |
| 21 | 131460 | Rod, Rear Brake |
| 22 | 127378 | Trunnion, Lift |
| 23 | 73680600 | Nut, Crownlock 3/8-16 UNC |
| 24 | 19132012 | Washer 13/32 x 1-1/4 x 12 Gauge |
| 25 | 4921H | Spring, Retainer |
| 26 | STD541437 | * Nut, Centerlock 3/8-16 UNC |
| 27 | 127369 | Link, Threaded |
| 28 | 127358 | Assembly, Rear Mower Lift |
| 29 | STD533107 | * Bolt, Carriage 5/16-18 UNC x 3/4 |
| 30 | STD541431 | * Nut, Keps 5/16-18 UNC |

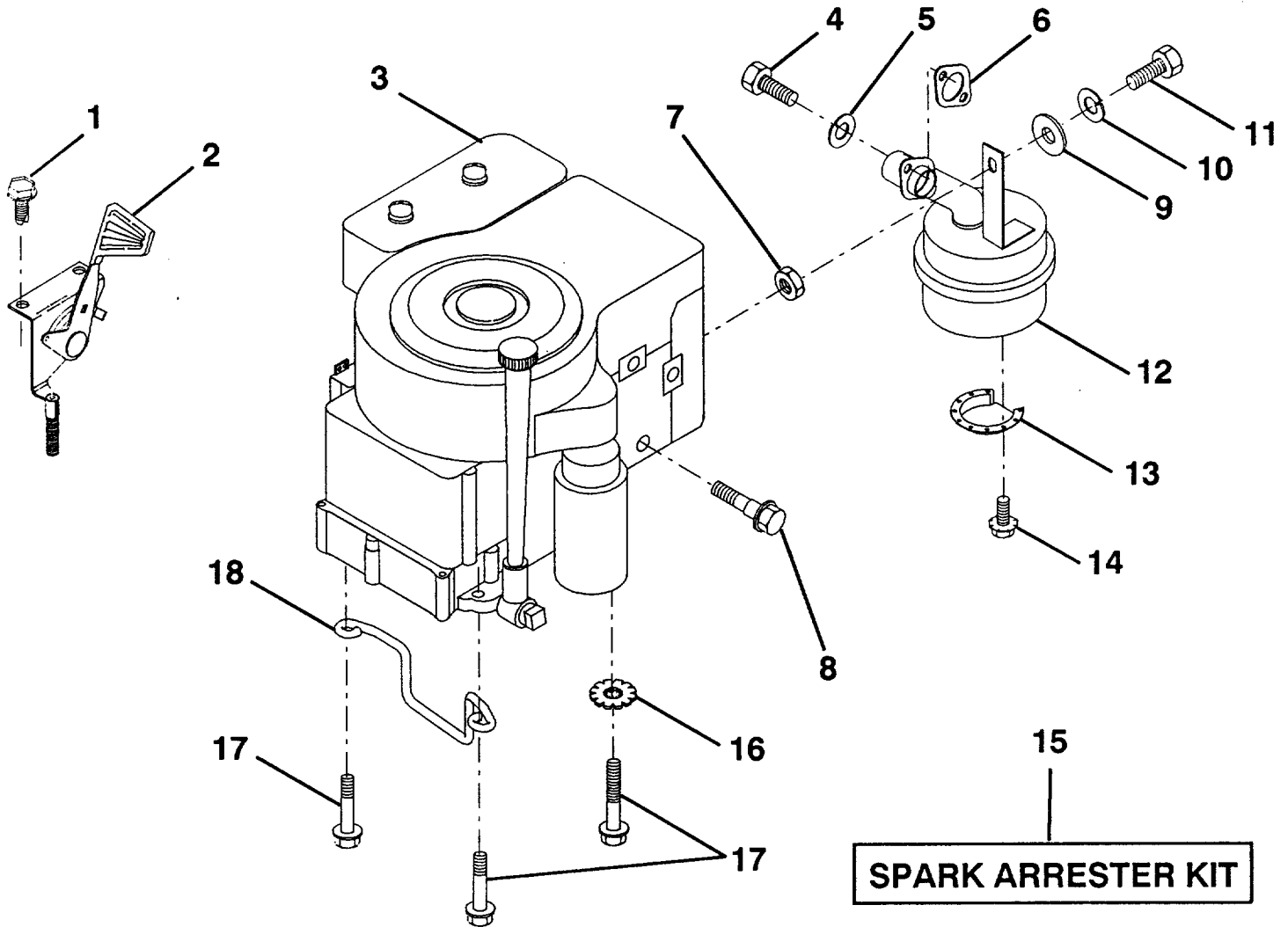
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

ENGINE / THROTTLE



KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|---|
| 1 | 17720408 | Screw, Hex, Thread Cutting 1/4-20 x 1/2 |
| 2 | 132758 | Control, Throttle |
| 3 | 131951 | Engine, Briggs & Stratton, 12 HP, Model 283707, Type 0217-01 |
| 4 | 71070512 | Screw, Hex Head Cap 5/16-18 x 3/4 |
| 5 | STD551131 | *Washer, Lock, Heavy Helical Spring 5/16 |
| 6 | 125593X | Gasket, Exhaust |
| 7 | STD541031 | *Nut, Hex, Fin. 5/16-18 |
| 8 | 121094X | Bolt, Shoulder |
| 9 | STD551031 | Washer 5/16 x 3/4 x 16 Gauge |
| 10 | STD551125 | *Washer, Lock, Heavy Helical Spring 1/4 |

KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|--|
| 11 | STD522507 | *Bolt, Hex, Fin. 1/4-20 UNC x 3/4 |
| 12 | 124097X | Muffler |
| 13 | 101326L | Deflector, Muffler |
| 14 | 17030808 | Screw, Hex, Spiderlock 8 x 1/2 ABTPS |
| 15 | 121851X | Kit, Spark Arrester (Optional) |
| 16 | STD551237 | *Washer, Lock, External Tooth 3/8 |
| 17 | 17490624 | Screw, Hex Washer Head, Thd. Roll. 3/8-16 x 1-1/2 |
| 18 | 126636X | Keeper, Ground Drive Belt |

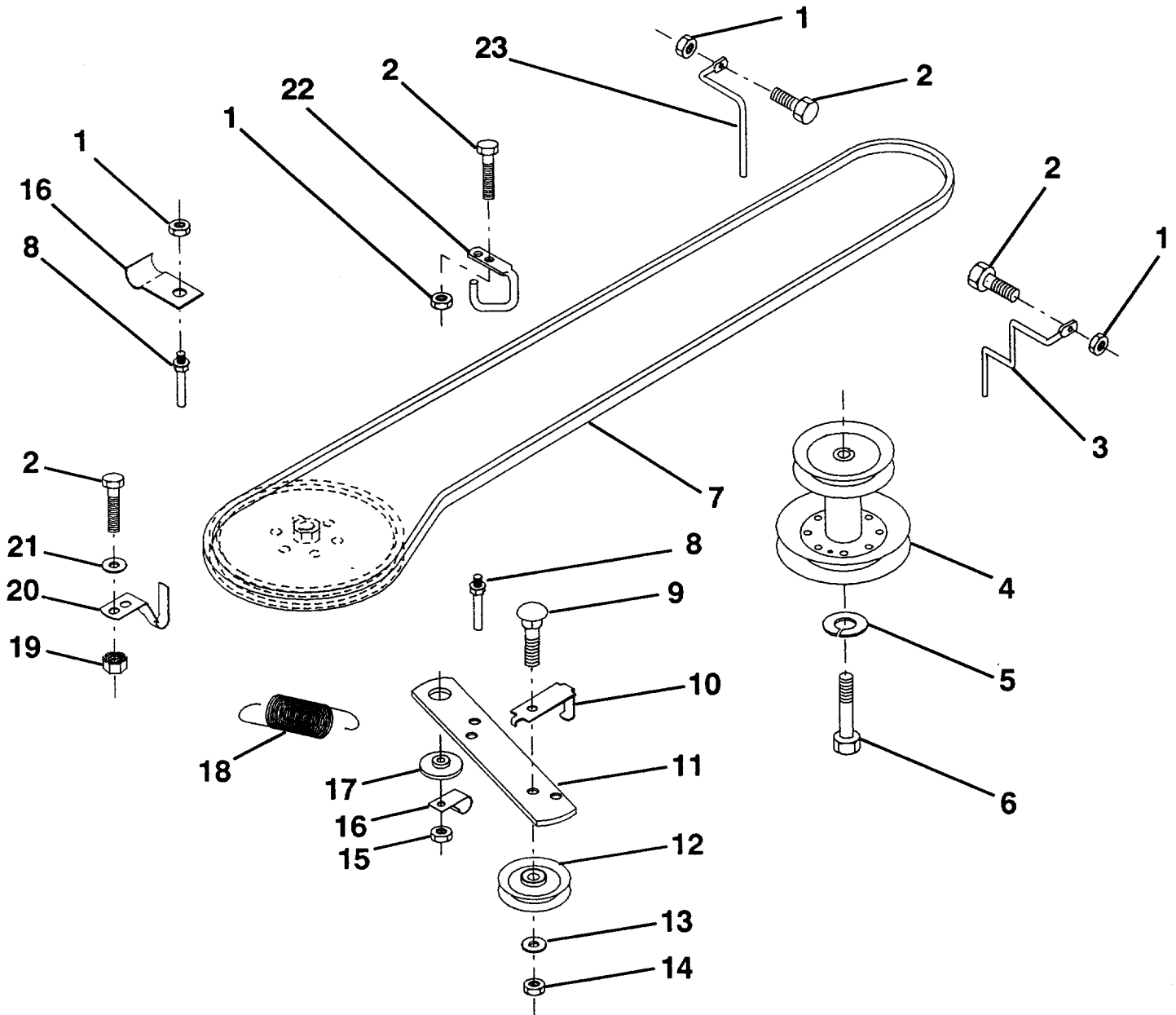
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

GROUND DRIVE



KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|--------------------------------------|
| 1 | STD541431 | * Nut, Crownlock 5/16-18 |
| 2 | STD523107 | * Bolt, Hex 5/16-18 UNC x 3/4 |
| 3 | 131205 | Keeper, Mower Drive Belt, Engine, RH |
| 4 | 131004 | Pulley, Engine |
| 5 | STD551143 | * Washer, Lock 7/16 |
| 6 | 71130720 | Bolt, Hex, Fin 7/16-20 UNF x 1-1/4 |
| 7 | 124525X | Traction, V-Belt Drive |
| 8 | 123405X | Keeper, T/A Ground Drive Belt |
| 9 | STD523715 | * Bolt, Hex 3/8-16 UNC x 1-1/2 |
| 10 | 123396X | Keeper, Ground Drive Belt, Idler |
| 11 | 123395X | Arm, Ground Drive Clutch |
| 12 | 4859J | Idler, Flat |
| 13 | STD551037 | * Washer 13/32 x 13/16 x 16 Gauge |

KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|--------------------------------------|
| 14 | 73930600 | Nut, Centerlock 3/8-16 UNC |
| 15 | STD541437 | * Nut, Crownlock 3/8-16 UNC |
| 16 | 126471X | Clip, Insulated |
| 17 | 122052X | Spacer, Retainer |
| 18 | 131459 | Spring, Extension |
| 19 | STD541431 | * Nut, Keps 5/16-18 UNC |
| 20 | 123891X | Keeper, T/A Ground Drive Belt |
| 21 | STD551025 | * Washer 11/32 x 5/8 x 16 Gauge |
| 22 | 123404X | Keeper, Frame, Ground Drive Belt |
| 23 | 131204 | Keeper, Engine, Mower Drive Belt, LH |

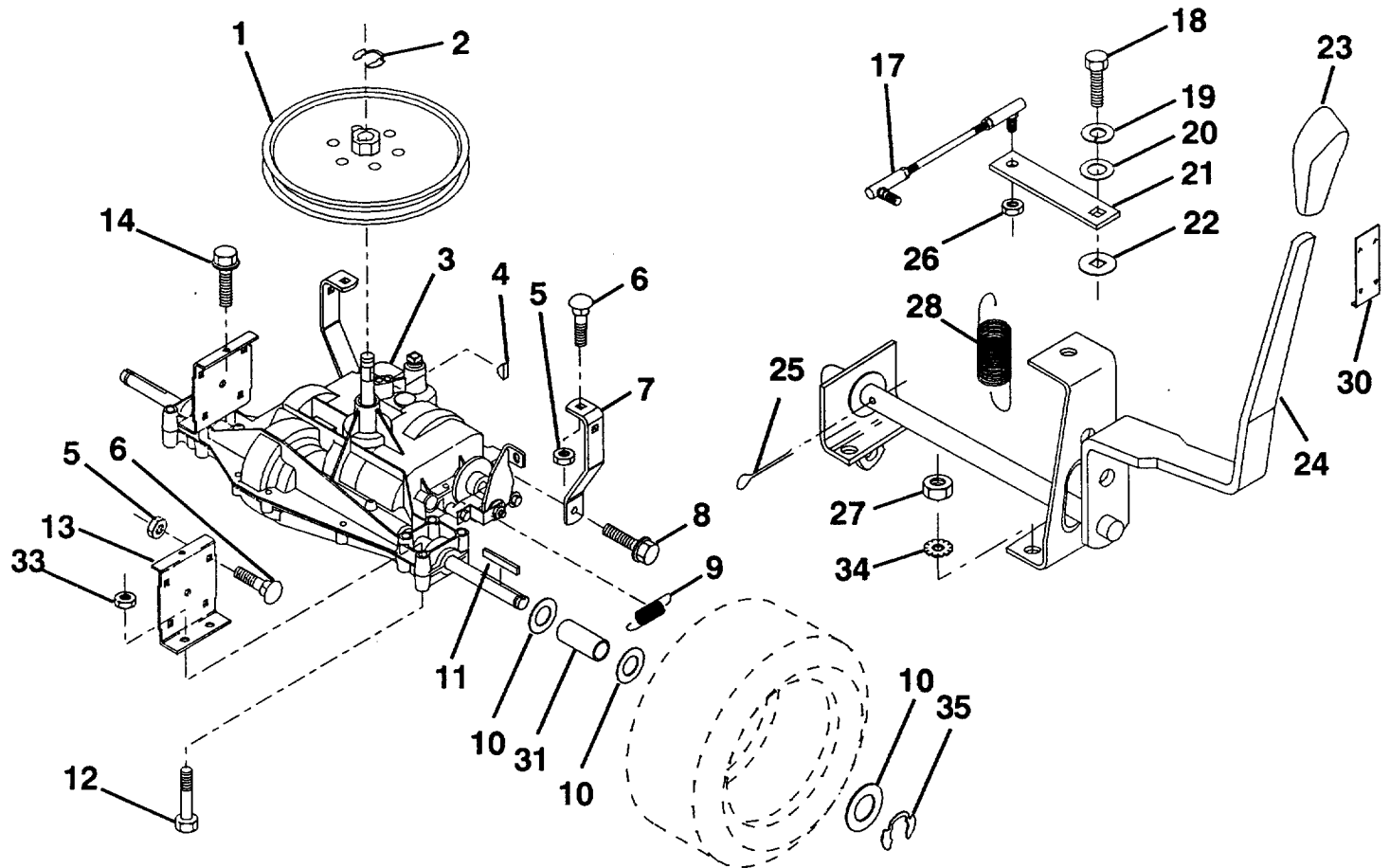
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

TRANSAXLE



KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|---|
| 1 | 123385X | Pulley |
| 2 | 12000028 | Ring, Retainer |
| 3 | 123655X | Transaxle, Foote/Dana, 6 Speed, Model Number 143.4360-18 |
| 4 | STD580025 | * Key, Woodruff #9 |
| 5 | STD541431 | * Nut, Crownlock 5/16-18 |
| 6 | STD533107 | * Bolt, Carriage 5/16-18 UNC x 3/4 |
| 7 | 123378X | Strap, Torque |
| 8 | 17490512 | Screw, Hex, Thd. Roll. 5/16-18 x 3/4 |
| 9 | 110422X | Spring, Brake |
| 10 | 121749X | Washer 25/32 x 1-1/4 x 16 Gauge |
| 11 | 123583X | Key, Square |
| 12 | STD523727 | * Bolt, Hex 3/8-16 x 2-3/4 |
| 13 | 123377X | Bracket, Transaxle |
| 14 | 17490508 | Screw 5/16-18 x 1/2 |
| 17 | 123632X | Link, Shift |
| 18 | 71040412 | Bolt, Hex, Fin. 1/4-28 x 3/4 Gr. 8 |

KEY PART NO. NO.

DESCRIPTION

| | | |
|----|-----------|-----------------------------------|
| 19 | STD551125 | * Washer, Lock 1/4 |
| 20 | 19091210 | Washer 9/32 x 3/4 x 10 Gauge |
| 21 | 123539X | Arm, Shift |
| 22 | 105701X | Washer, Shift Plate |
| 23 | 122011X | Knob, Golf Club |
| 24 | 128202 | Handle, Shift |
| 25 | STD561210 | * Pin, Cotter 1/8 x 1 |
| 26 | STD541531 | * Nut, Hex, Nylon 5/16-24 |
| 27 | STD541431 | * Nut, Keps 5/16-18 |
| 28 | 128085 | Spring, Extension |
| 30 | 123692X | Retainer, Knob |
| 31 | 123409X | Spacer |
| 33 | STD541437 | * Nut, Crownlock 3/8-16 |
| 34 | 11050500 | Washer, Lock, External Tooth 5/16 |
| 35 | STD581075 | * E-Ring |

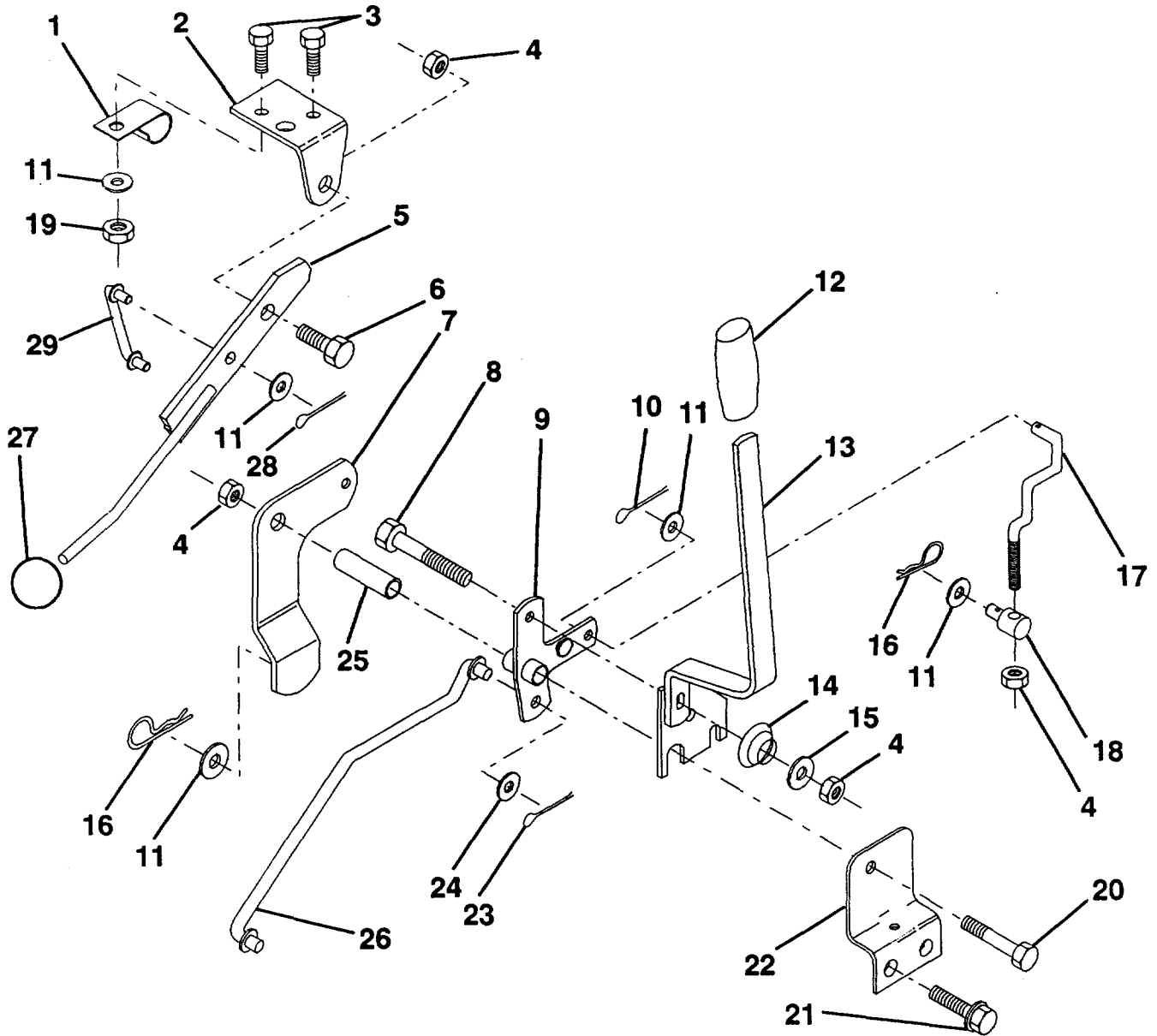
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

MOWER LIFT LEVER



**KEY PART
NO. NO.**

DESCRIPTION

| | | |
|----|-----------|--|
| 1 | 126470X | Clip, Fuel Line |
| 2 | 122018X | Bracket, Mower Clutch |
| 3 | 74780408 | Bolt, Hex, Fin 1/4-20 UNC x 1/2 Grade 5 |
| 4 | STD541437 | *Nut, Crownlock 3/8-16 UNC |
| 5 | 123417X | Assembly, Clutch Lever |
| 6 | 106451X | Bolt, Shoulder |
| 7 | 123491X | Assembly, Mower Clutch Arm |
| 8 | STD523722 | *Bolt, Hex 3/8-16 UNC x 2-1/4 |
| 9 | 121930X | Assembly, Bellcrank, Lift |
| 10 | 76020412 | Pin, Cotter 1/8 x 3/4 |
| 11 | STD551037 | *Washer 13/32 x 13/16 x 16 Gauge |
| 12 | 122027X | Grip, Handle |
| 13 | 127028 | Assembly, Lift Handle |
| 14 | 123496X | Spring, Compression |
| 15 | 19131212 | Washer 13/32 x 3/4 x 12 Gauge |
| 16 | 4921H | Retainer, Spring |

**KEY PART
NO. NO.**

DESCRIPTION

| | | |
|----|-----------|---|
| 17 | 127359 | Link, Front Lift |
| 18 | 133205 | Trunnion, Threaded 3/8-16 |
| 19 | 73680400 | Nut, Crownlock 1/4-20 |
| 20 | STD523727 | *Bolt, Hex, Fin. 3/8-16 UNC x 2-3/4 |
| 21 | 17490508 | Screw, Hex, Thd. Roll. 5/16-18 x 1/2 |
| 22 | 121929X | Bracket, Mower Height |
| 23 | STD561210 | *Pin, Cotter 1/8 x 1 |
| 24 | STD551050 | *Washer 17/32 x 1 x 16 Gauge |
| 25 | 121933X | Tube, Spacer |
| 26 | 121934X | Rod, Mower Lift |
| 27 | 106932X | Knob |
| 28 | STD560907 | *Pin, Cotter 3/32 x 3/4 |
| 29 | 123671X | Link, Mower Clutch |

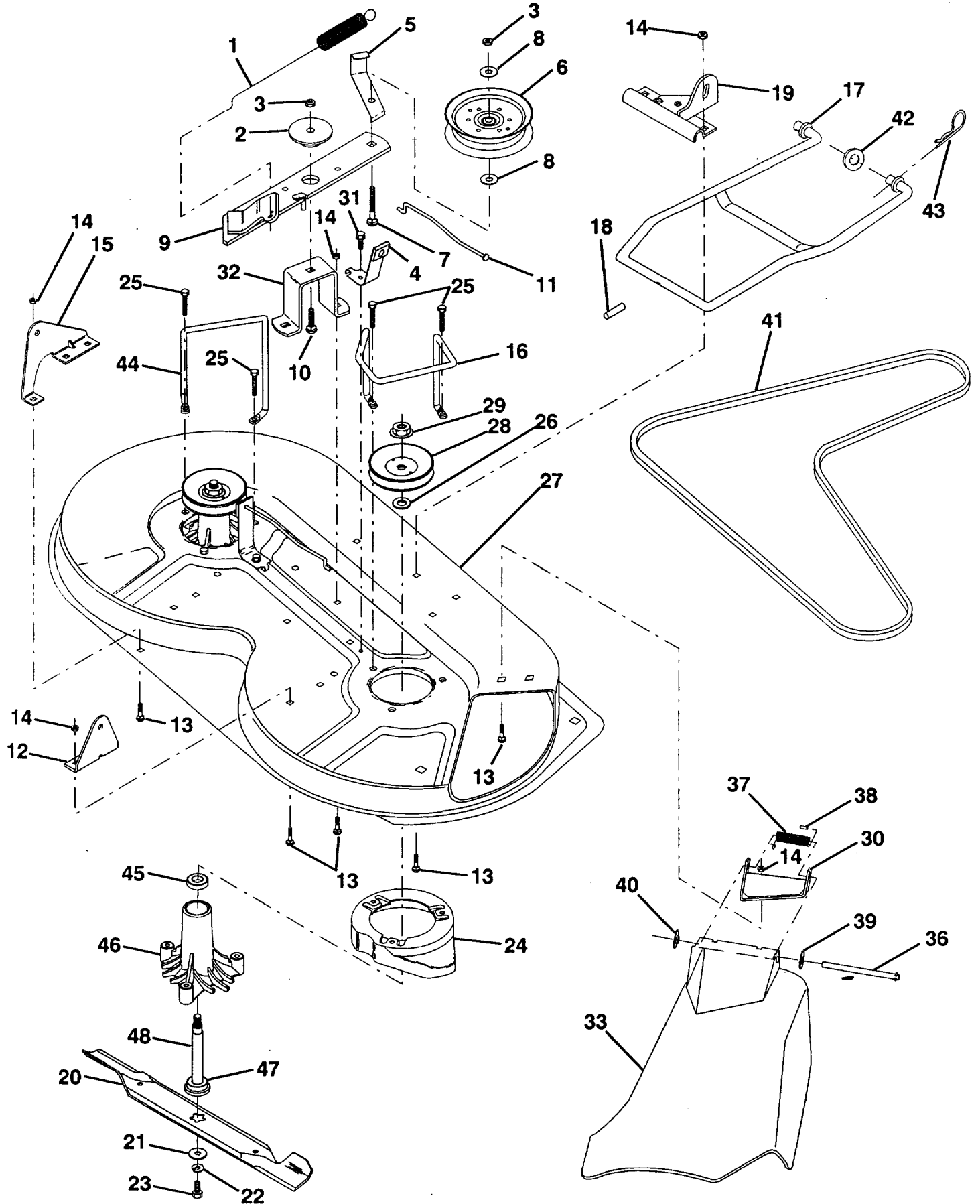
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

MOWER DECK



REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

MOWER DECK

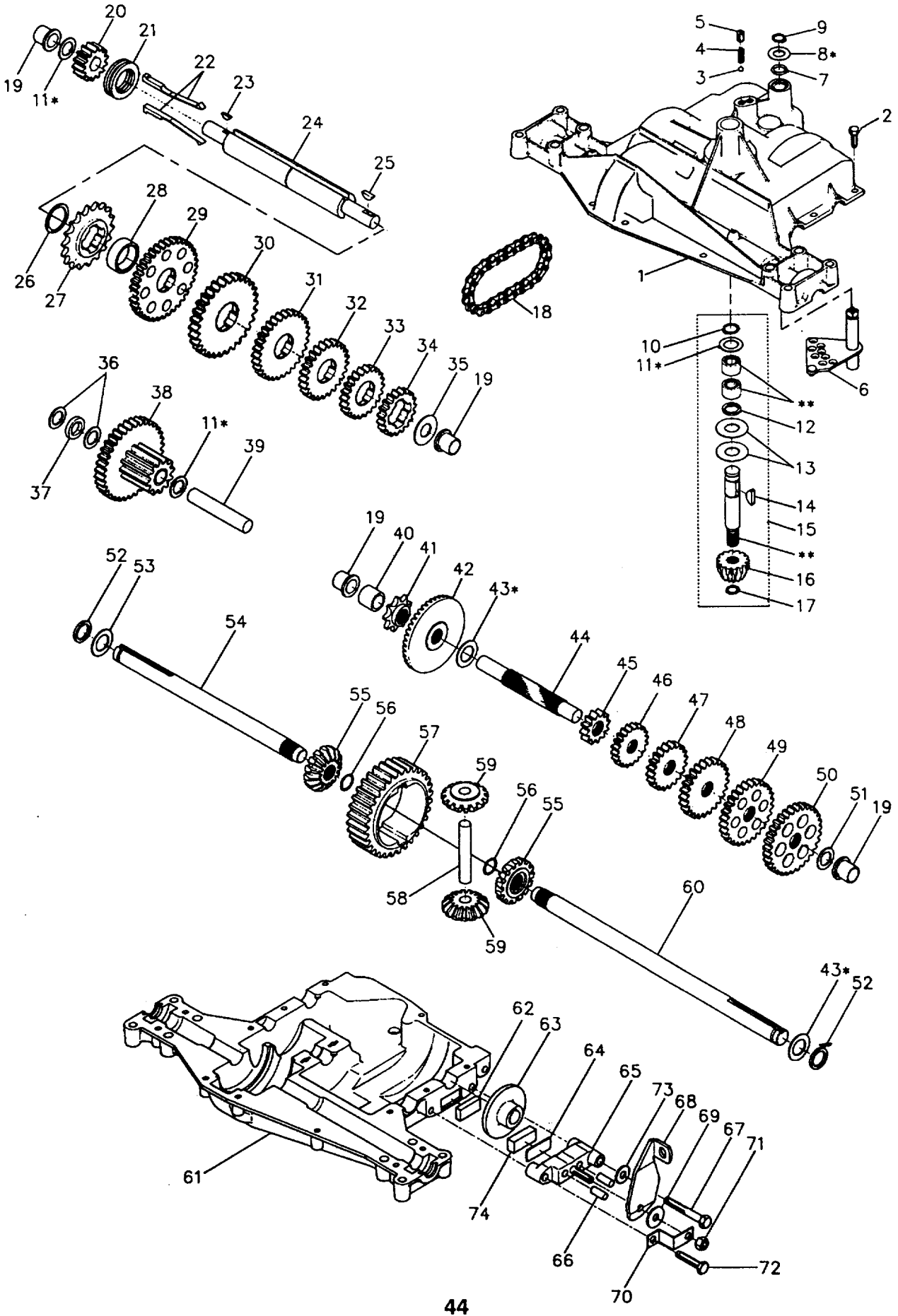
| KEY PART NO. NO. | DESCRIPTION | KEY PART NO. NO. | DESCRIPTION |
|---------------------|--|---------------------|---|
| 1 127743 | Spring, Mower Clutch | 26 129963 | Washer .150 Thick |
| 2 122052X | Spacer, Retainer | 27 129983 | Deck Assembly |
| 3 STD541437 | * Nut, Crownlock 3/8-16 | 28 129207 | Pulley, Mandrel |
| 4 130840 | Brake Assembly | 29 73050900 | Nut, Flangelock 9/16 |
| 5 131251 | Guide, Belt Idler | 30 126361X | Bracket Assembly, Deflector |
| 6 121316X | Pulley, Flat Idler | 31 17490508 | Screw, Hex Washer Head, Thd., Roll. 5/16-18 x 1/2 |
| 7 STD533720 | * Bolt, Carriage 3/8-16 x 1-3/4 Grade 5 | 32 122051X | Arm, Support Idler, Mower |
| 8 19131410 | Washer 13/32 x 7/8 x 10 Gauge | 33 131560 | Deflector |
| 9 127744 | Arm Assembly, Idler, Mower | 36 121980X | Rod, Hinge |
| 10 STD533710 | * Bolt, Carriage 3/8-16 x 1 | 37 123713X | Spring, Torsion Deflector |
| 11 130841 | Rod, Brake | 38 105304X | Cap, Sleeve |
| 12 127356 | Bracket, Lift, Rear, R.H. | 39 19111016 | Washer 11/32 x 5/8 x 16 Gauge |
| 13 STD533106 | * Bolt, Carriage 5/16-18 x 5/8 | 40 110452X | Pushnut |
| 14 STD541431 | * Nut, Crownlock 5/16-18 | 41 131264 | V-Belt |
| 15 127357 | Bracket, Lift, Rear, L.H. | 42 STD551050 | * Washer 17/32 x 1 x 16 Gauge |
| 16 130837 | Keeper, Belt, R.H. | 43 STD624008 | * Retainer, Spring |
| 17 128508 | Link Assembly, Mower Stabilizer | 44 130836 | Keeper, L.H. |
| 18 128511 | Pin, Drive | 45 110485X | Bearing |
| 19 127380 | Bracket Assembly, Front | 46 128774 | Housing, Mandrel |
| 20 127841 | Blade | 47 129895 | Bearing |
| 21 129962 | Washer, Hard | 48 133172 | Shaft & Bearing Assembly, Mandrel |
| 22 STD551137 | * Washer, Lock 3/8 | -- 130794 | Mandrel Assembly (Includes Key Numbers 21-23, 26, 29, and 45-48) |
| 23 850857 | Bolt 3/8-24 x 1-1/4 Grade 8 | | |
| 24 128961 | Stripper | | |
| 25 78158 | Bolt 5/16-18 x 1-1/4 | | |

* STANDARD HARDWARE - - PURCHASE LOCALLY
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

FOOTE/DANA TRANSAXLE - MODEL NUMBER 143.4360-18



REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

FOOTE/DANA TRANSAXLE - MODEL NUMBER 143.4360-18

| KEY PART NO. NO. | DESCRIPTION | KEY PART NO. NO. | DESCRIPTION |
|------------------|---|------------------|---|
| 1 | 120458X Housing, Upper | 41 | 105928X Sprocket, 9 Teeth |
| 2 | 2274J Screw, Tapping, Large 1/4-20 x .734 | 42 | 110084X Gear, Bevel, 42 Teeth |
| 3 | 68003 Ball, Detent | 43 | 108983X * Washer, Plain .758 x 1.12 x .010 |
| 4 | 105904X Spring, Detent | | 105930X * Washer, Plain .758 x 1.12 x .015 |
| 5 | 105905X Screw, Set | | 105931X * Washer, Plain .758 x 1.12 x .020 |
| 6 | 120460X Shifter Assembly | | 105932X * Washer, Plain .758 x 1.12 x .025 |
| 7 | 120461X O-Ring | | 3417J * Washer, Plain .758 x 1.25 x .020 |
| 8 | 120462X * Washer, Plain .505 x .942 x .006 | | 106097X * Washer, Plain .758 x 1.25 x .025 |
| | 120463X * Washer, Plain .505 x .942 x .010 | | 2264J * Washer, Plain .758 x 1.25 x .031 |
| | 120464X * Washer, Plain .505 x .942 x .015 | | 106098X * Washer, Plain .758 x 1.25 x .035 |
| | 120465X * Washer, Plain .505 x .942 x .020 | | 2265J * Washer, Plain .758 x 1.25 x .040 |
| | 120466X * Washer, Plain .505 x .942 x .026 | | 106586X * Washer, Plain .758 x 1.25 x .045 |
| | 83818 * Washer, Plain .505 x .942 x .030 | | 106587X * Washer, Plain .758 x 1.25 x .050 |
| | 120467X * Washer, Plain .505 x .942 x .040 | | 106588X * Washer, Plain .758 x 1.25 x .055 |
| 9 | 2286J Ring, Retaining | | 2263J * Washer, Plain .758 x 1.25 x .062 |
| 10 | 2267J Ring, Retaining | 44 | 120473X Shaft, Drive |
| 11 | 3413J * Washer, Plain .632 x 1.00 x .010 | 45 | 105933X Gear, Spur, 12 Teeth |
| | 2233J * Washer, Plain .632 x 1.00 x .020 | 46 | 106151X Gear, Spur, 15 Teeth |
| | 2232J * Washer, Plain .632 x 1.00 x .026 | 47 | 120407X Gear, Spur, 20 Teeth |
| | 2231J * Washer, Plain .632 x 1.00 x .031 | 48 | 106589X Gear, Spur, 25 Teeth |
| | 2230J * Washer, Plain .632 x 1.00 x .036 | 49 | 120408X Gear, Spur, 28 Teeth |
| | 2229J * Washer, Plain .632 x 1.00 x .041 | 50 | 105937X Gear, Spur, 31 Teeth |
| | 2228J * Washer, Plain .632 x 1.00 x .046 | 51 | 2226J Washer, Plain .632 x 1.00 x .060 |
| | 2227J * Washer, Plain .632 x 1.00 x .050 | 52 | 2272J Seal, Felt |
| | 2226J * Washer, Plain .632 x 1.00 x .060 | 53 | 2263J Washer, Plain .758 x 1.25 x .062 |
| | 105906X * Washer, Plain .632 x 1.00 x .082 | 54 | 123907X Axle, Left Hand |
| 12 | 6725J O-Ring | 55 | 110081X Gear, Miter, 15 Teeth |
| 13 | 120415X Washer, Plain .632 x 1.38 x .046 | 56 | 105941X Ring, Retaining |
| 14 | 2257J Key, Woodruff, #9 | 57 | 110071X Gear, Spur, 32 Teeth |
| 15 | 110077X Kit, Input Shaft Assembly | 58 | 120952X Shaft, Cross |
| 16 | 110078X Pinion, Bevel, 14 Teeth | 59 | 110082X Gear, Miter, 15 Teeth |
| 17 | 105909X Ring, Retaining | 60 | 123908X Axle, Right Hand |
| 18 | 105910X Chain, 24 Pitches | 61 | 120476X Housing, Lower |
| 19 | 105911X Bearing, Flange | 62 | 120961X Puck, Friction |
| 20 | 108976X Gear, Spur, 14 Teeth | 63 | 7294J Disc, Brake |
| 21 | 105913X Collar, Clutch | 64 | 108989X Spacer |
| 22 | 120468X Key, Clutch | 65 | 120953X Jaw, Brake |
| 23 | 2242J Key, Woodruff, #3 | 66 | 120954X Pin, Dowel |
| 24 | 120469X Shaft, Intermediate | 67 | 120955X Screw, Tapping, Large 5/16-18 x 2.25 |
| 25 | 2244J Key, Woodruff, #61 | 68 | 108992X Lever, Actuating |
| 26 | 105916X Ring, Retaining | 69 | 108996X Washer, Plain .321 x 1.00 x .055 |
| 27 | 120470X Sprocket, 18 Teeth | 70 | 120956X Bracket, Anti-Rotation |
| 28 | 110070X Spacer | 71 | 73810500 Locknut 5/16-24 |
| 29 | 108977X Gear, Spur, 37 Teeth | 72 | 106596X Screw, Tapping, Large 5/16-18 x 1.44 |
| 30 | 109254X Gear, Spur, 35 Teeth | 73 | 120993X Washer, Plain .343 x .81 x .059 |
| 31 | 120405X Gear, Spur, 30 Teeth | 74 | 120951X Puck, Friction |
| 32 | 108980X Gear, Spur, 25 Teeth | 75 | 120416X Grease - |
| 33 | 120406X Gear, Spur, 22 Teeth | | |
| 34 | 108455X Gear, Spur, 19 Teeth | | |
| 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 of 12 Teeth and 35 Teeth | | |
| 39 | 120471X Shaft, Idler | | |
| 40 | 120472X Spacer .635 x .875 x .755 | | |

* Use In Various Combinations to Maintain Proper Clearances

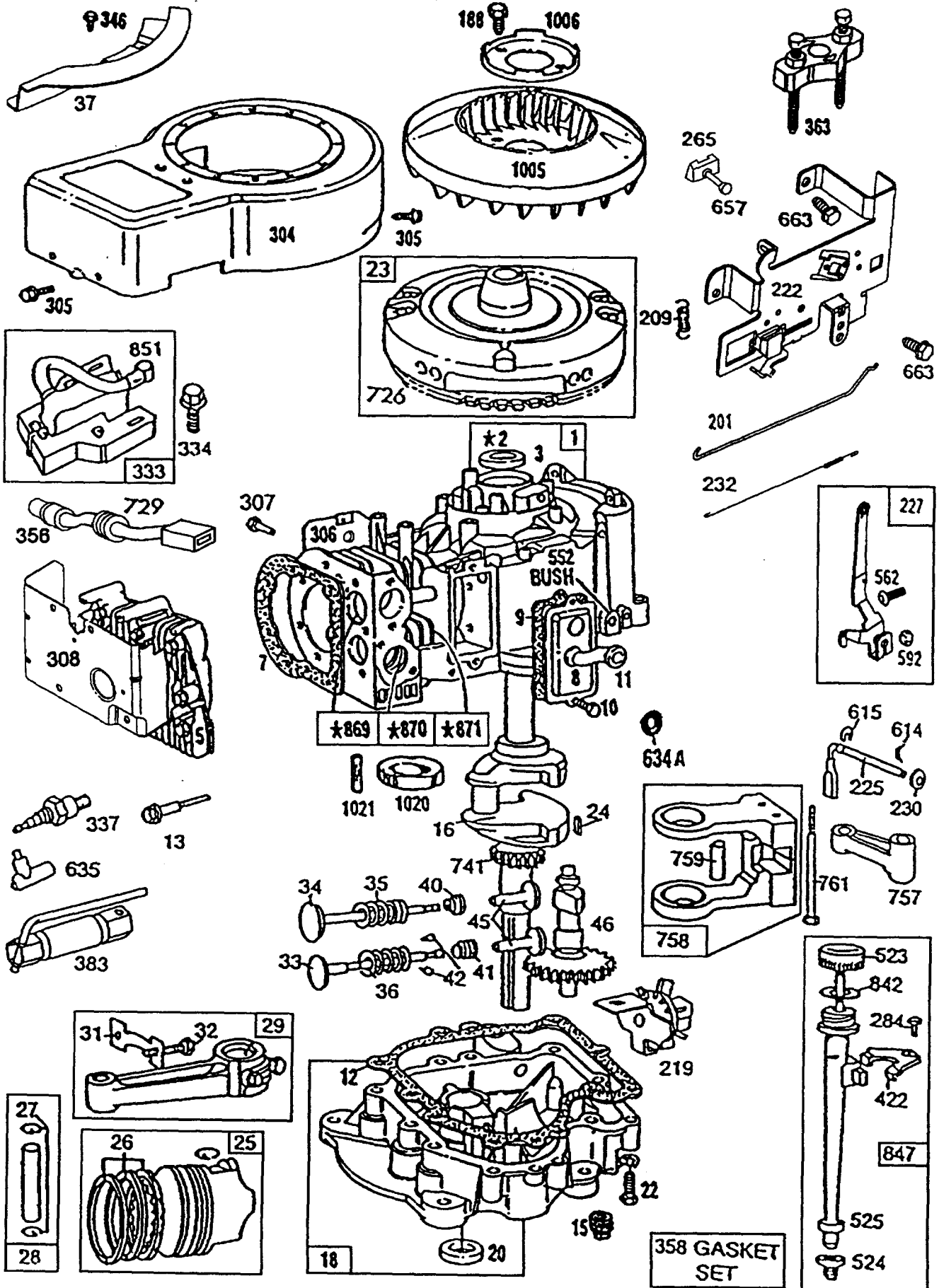
** Order Key Number 15

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

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

BRIGGS & STRATTON ENGINE - MODEL NUMBER 283707, TYPE NUMBER 0217-01

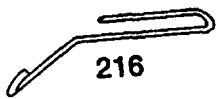
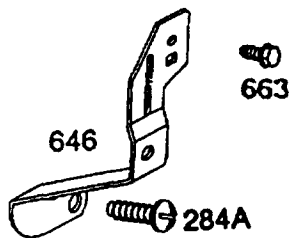
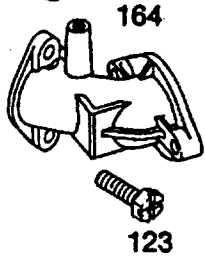
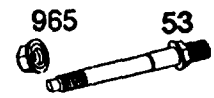


REPAIR PARTS

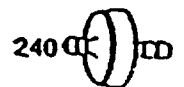
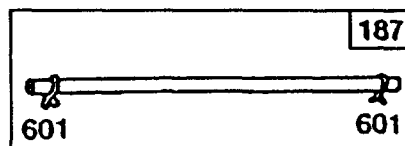
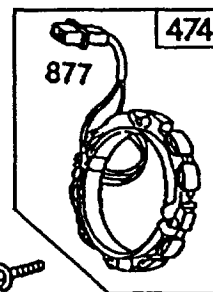
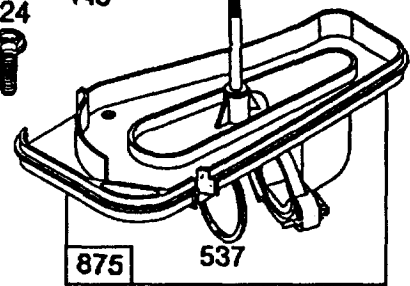
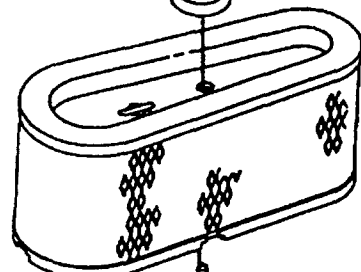
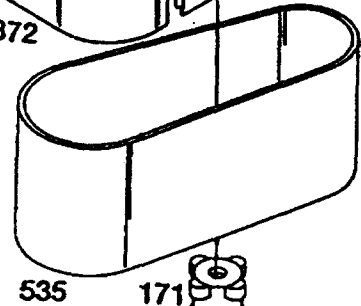
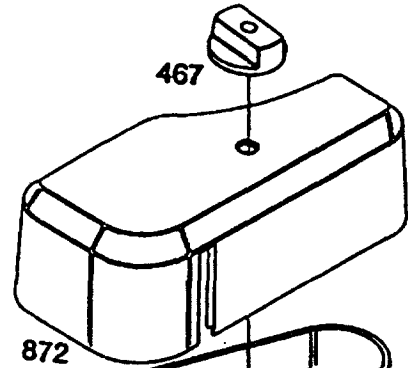
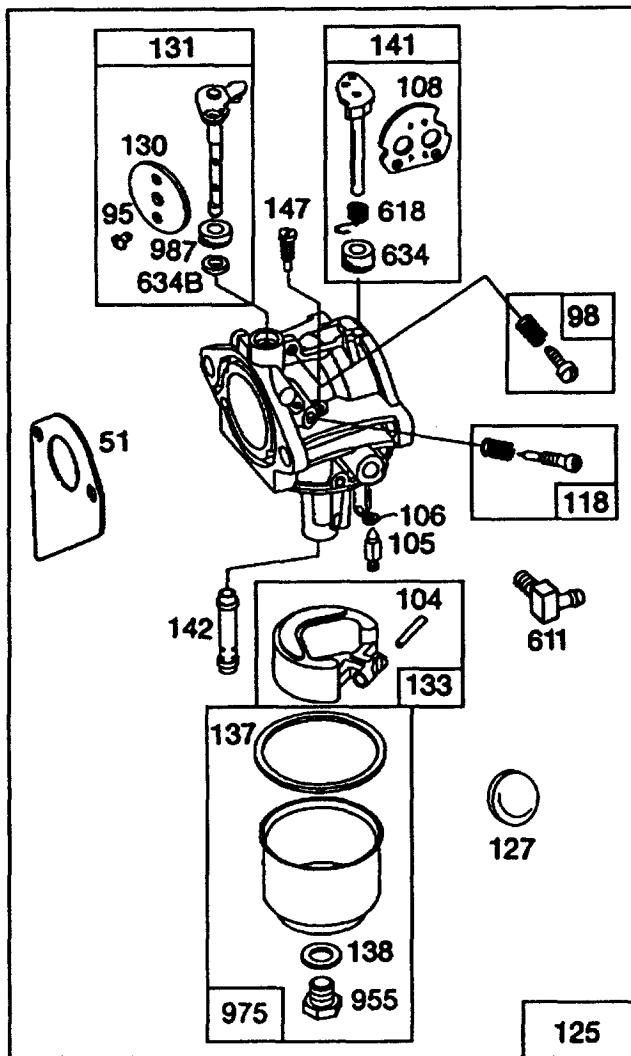
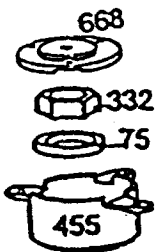
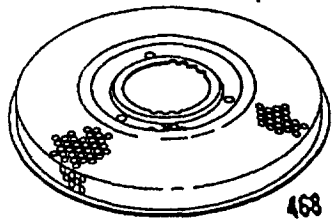
12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

BRIGGS & STRATTON ENGINE - MODEL NUMBER 283707, TYPE NUMBER 0217-01

121 CARBURETOR OVERHAUL KIT



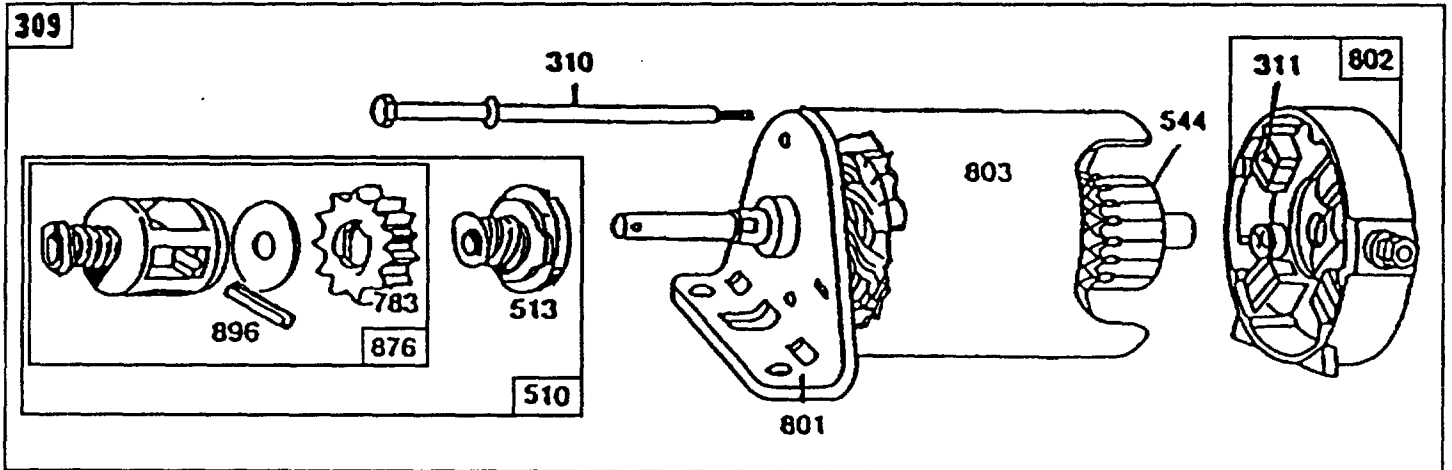
78



REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

BRIGGS & STRATTON ENGINE - MODEL NUMBER 283707, TYPE NUMBER 0217-01



| Reference Number | | 309 | 310 | 311 | 510 | 544 | 801 | 802 | 803 |
|-------------------|----------------|------------------------|--------------------|----------------|----------------|-------------------|------------------------|---------------------------|------------------|
| Manufacturer | | Motor and Drive Ass'y. | Thru Bolt Assembly | Brush Assembly | Drive Assembly | Armature Assembly | Drive End Cap Assembly | End Cap Ass'y. Commutator | Housing Assembly |
| Briggs & Stratton | Housing Length | | | | | | | | |
| 12V | 3-21/32" | 394805 | 94003 | 395538 | 490421** | 390837 | 394856 | 395537* | 393825 |

*Includes Brush Set

**Includes #398003 Clutch Assembly (Ref. No. 513)
 #280104 Gear (Ref. No. 783)
 #490467 Retainer and Pin (Ref. No. 876)
 # 94288 Roll Pin (Ref. No. 896)

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

BRIGGS & STRATTON ENGINE - MODEL NUMBER 283707, TYPE NUMBER 0217-01

| KEY PART NO. | NO. | DESCRIPTION | KEY PART NO. | NO. | DESCRIPTION |
|--------------|--------|---|--------------|--------|---|
| 1 | 490450 | Cylinder Assembly | 53 | 94637 | Stud, Carburetor Mounting |
| 2 | 399265 | Bearing, Cylinder (Requires Special Tools For Installation) | 75 | 224061 | Washer, Spring |
| 3 | 391086 | * Seal, Oil | 78 | 93805 | Screw, Sems |
| 5 | 494240 | Head, Cylinder | 95 | 94098 | ** Screw, Throttle |
| 7 | 271866 | * Gasket, Cylinder Head | 98 | 494382 | Screw, Idle Speed |
| 8 | 391406 | Breather Assembly | 104 | 231789 | ** Pin, Float Hinge |
| 9 | 27803 | * Gasket, Valve Cover | 105 | 231790 | ** Valve Assembly, Inlet Needle |
| 10 | 93394 | Screw, Sems | 106 | 281169 | Inlet, Valve Seat |
| 11 | 280100 | Tube, Breather | 108 | 224540 | Valve, Choke |
| 12 | 271916 | * Gasket, Crankcase Cover 1/64" | 118 | 494383 | ** Valve, Needle |
| | 271997 | * Gasket, Crankcase Cover .005" | 121 | 494384 | Carburetor Overhaul Kit |
| | 271996 | * Gasket, Crankcase Cover .009" | 123 | 94616 | Screw, Elbow Mounting |
| 13 | 93723 | Screw, Cylinder Head | 125 | 494502 | Carburetor Assembly |
| 15 | 94239 | Plug, Oil Drain | 127 | - - - | ** Plug, Welch (Sold in Kit Only) |
| 16 | 490466 | Crankshaft | 130 | 224539 | Valve, Throttle |
| | 94196 | Key, Timing Gear | 131 | 494379 | Shaft and Lever, Throttle |
| 18 | 494238 | Base, Engine | 133 | 494381 | Float, Carburetor |
| 20 | 291675 | * Seal, Oil | 137 | 281165 | *** Gasket, Float Bowl |
| 22 | 94305 | Screw, Sems, Base Mounting | 138 | 281164 | *** Washer, Float Bowl Screw |
| 23 | 492326 | Flywheel and Ring Gear Assembly, Magneto | 141 | 494380 | ** Shaft and Lever, Choke |
| 24 | 222698 | Key, Flywheel | 142 | 494537 | ** Nozzle / Jet, Carburetor |
| 25 | 394661 | Piston Assembly, Standard | | 494499 | High Altitude Kit: |
| | 394662 | Piston Assembly .010" Oversize | 147 | 231794 | 231796 Pilot, Jet, High Altitude |
| | 394663 | Piston Assembly .020" Oversize | 164 | 213819 | 281164 Seal, Bowl Screw |
| | 394664 | Piston Assembly .030" Oversize | 171 | 281051 | ** Pilot, Jet |
| 26 | 391780 | Ring Set, Piston, Standard Size | 187 | 393815 | Carburetor, Elbow |
| | 392331 | Ring Set, Piston, Chrome, Standard | 188 | 93535 | Nut, Air Cleaner Mounting |
| | 391781 | Ring Set, Piston .010" Oversize | 201 | 262767 | Line, Fuel |
| | 391782 | Ring Set, Piston .020" Oversize | 209 | 260871 | Screw, Sems |
| | 391783 | Ring Set, Piston .030" Oversize | 216 | 262766 | Link, Governor |
| 27 | 260924 | Lock, Piston Pin | 219 | 490815 | Spring, Governor |
| 28 | 299691 | Pin Assembly, Piston, Standard | 222 | 494887 | Link, Choke |
| | 391286 | Pin Assy., Piston .005" Oversize | | | Oil Slinger, Governor Gear and Bracket Assembly |
| 29 | 490348 | Rod Assembly, Connecting | 224 | 94513 | Plate, Governor Control |
| | 490469 | Rod Assembly, Connecting, .020" Undersize Crankpin Bore | 225 | 231058 | (Choke-A-Matic) |
| 31 | 222299 | Lock, Connecting Rod Screw | 227 | 493935 | Screw, Sems, Air Cleaner |
| 32 | 92909 | Screw, Connecting Rod | 230 | 222450 | Crank, Governor |
| 33 | 262246 | Valve, Exhaust | 232 | 262785 | Lever Assembly, Governor |
| 34 | 262247 | Valve, Intake | 240 | 394358 | Washer, Governor Crank |
| 35 | 65906 | Spring, Intake Valve | | | Spring, Governor Link |
| 36 | 26828 | Spring, Exhaust Valve | | | Filter, Fuel |
| 37 | 223752 | Guard, Flywheel | | | |
| 40 | 221596 | Retainer, Intake Valve | | | |
| 41 | 292260 | Rotocoil, Exhaust Valve | | | |
| 42 | 93630 | Retainer, Exhaust Valve Rotocoil | | | |
| 45 | 262248 | Tappet, Valve | | | |
| 46 | 212897 | Gear, Cam | | | |
| 51 | 272465 | *** Gasket, Carburetor (Carburetor to Elbow) | | | |
| 52 | 270872 | * Gasket, Carburetor (Elbow to Cylinder) | | | |

* Included in Gasket Set (494241)
 ** Included in Carburetor Overhaul Kit (494384)
 *** Included in both Carburetor Overhaul Kit (494384) and Carburetor Gasket Set (494385)

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

REPAIR PARTS

12 HP 36" LAWN RIDER - - MODEL NUMBER 917.257462

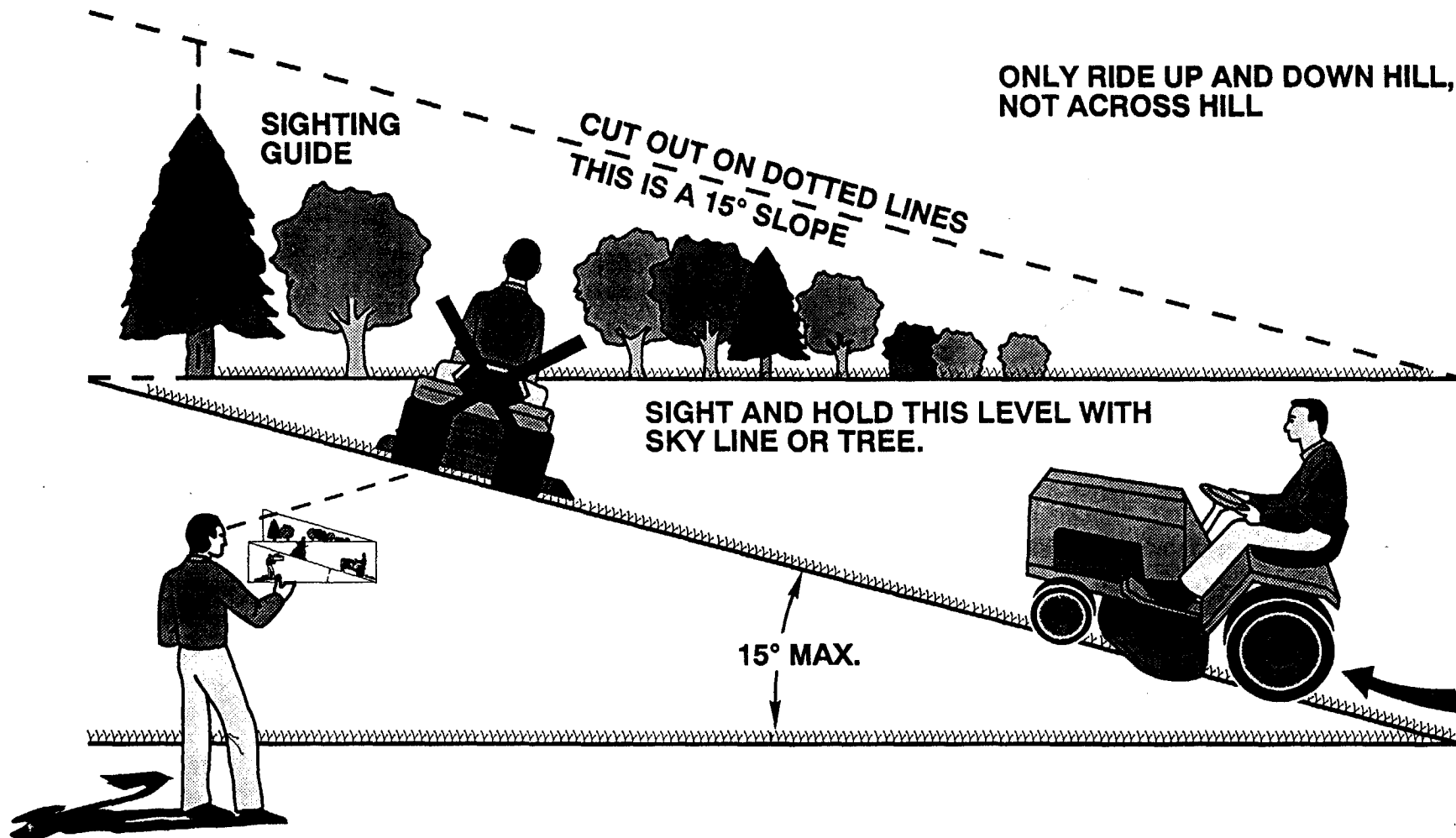
BRIGGS & STRATTON ENGINE - MODEL NUMBER 283707, TYPE NUMBER 0217-01

| KEY PART NO. NO. | DESCRIPTION | KEY PART NO. NO. | DESCRIPTION |
|------------------|--|------------------|--|
| 265 221535 | Clamp, Casing | 635 66538 | Elbow, Spark Plug |
| 284 94419 | Screw, Clamp Mounting | 646 224546 | Brace, Air Cleaner |
| 284A 94326 | Screw, Air Cleaner | 657 93496 | Screw, Sems |
| 304 494269 | Housing, Blower | 663 94620 | Screw, Hex Head |
| 305 94608 | Screw, Sems, Blower Housing Mounting | 668 280848 | Spacer |
| 306 224545 | Shield, Cylinder | 726 392134 | Gear, Ring (Includes Mounting Parts) |
| 307 93949 | Screw, Sems, Cylinder Shield Mounting | 727 490324 | Cover, Starter (Includes Mounting Screws) |
| 308 491490 | Cover, Cylinder Head | 728 94627 | Screw, Sems |
| 309 - - - | Motor, Starting (See Chart on Illustrated Pages for Replacement Parts for Starting Motors) | 729 28159 | Clip, Lead Wire |
| 332 92284 | Nut, Hex | 741 262135 | Gear, Timing |
| 333 492341 | Armature, Magneto | 757 212359 | Link, Counterweight |
| 334 93381 | Screw, Sems, Armature Mounting | 758 399891 | Counterweight Assembly |
| 337 802592 | Plug, Spark | 759 298909 | Pin, Counterweight |
| 346 93705 | Screw, Hex Head | 761 93875 | Screw, Counterweight |
| 356 494328 | Wire, Ground | 842 270920 | Seal, Oil Filler Cap |
| 358 494241 | Gasket Set | 847 490474 | Fill Group, Oil |
| 363 19203 | Puller, Flywheel | 851 221798 | Terminal, Ignition Cable |
| 383 89838 | Wrench, Spark Plug | 869 261463 | Seat, Intake Valve, Standard |
| 422 223721 | Clamp, Oil Filler Tube | 870 213316 | Seat, Exhaust Valve, Standard |
| 423 94073 | Screw, Sems | 871 261961 | Guide, Exhaust Valve |
| 445 493909 | Cartridge, Air Cleaner | 872 281104 | Cover, Air Cleaner |
| 455 222561 | Cup, Screen Mounting | 875 494237 | Body, Air Cleaner |
| 467 493903 | Knob, Air Cleaner | 877 393456 | Diode and Connector Assembly, Dual Circuit |
| 468 222562 | Screen, Flush Rotating | 955 94642 | ** Screw, Fuel Bowl |
| 474 393474 | Stator, Alternator | 965 94108 | Locknut, Air Cleaner Mounting |
| 482 93621 | Screw, Sems | 975 494378 | Bowl Assembly, Carburetor |
| 523 490327 | Cap and Dipstick, Oil Filler | 977 494385 | Carburetor Gasket Kit |
| 524 68838 | Seal, Filler Tube | 987 281166 | ** Seal, Throttle Shaft |
| 525 280741 | Tube, Oil Filler | 1005 280687 | Fan, Flywheel |
| 535 272403 | Element, Air Cleaner | 1006 224413 | Retainer, Fan |
| 537 281106 | * O-Ring, Air Cleaner | 1020 262243 | Eccentric |
| 552 231597 | Bushing, Governor Crank | 1021 94160 | Pin, Eccentric |
| 562 92613 | Bolt, Governor Lever | | |
| 592 231082 | Nut, Hex #10-24 | | |
| 601 93053 | Clamp, Fuel Pipe | | |
| 611 494451 | Fuel Inlet Tube | | |
| 614 93306 | Cotter, Hair Pin | | |
| 615 93307 | Retainer, E-Ring | | |
| 618 262803 | Spring, Choke Return | | |
| 634 281168 | ** Seal, Choke Shaft | | |
| 634A 491323 | * Seal, Governor | | |
| 634B 281167 | Washer, Throttle Shaft | | |

* Included in Gasket Set (494241)
 ** Included in Carburetor Overhaul Kit (494384)
 *** Included in both Carburetor Overhaul Kit (494384) and Carburetor Gasket Set (494385)

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.
917.257462

**HOW TO ORDER
REPAIR PARTS**

CRAFTSMAN®

**12.0 HP
ELECTRIC START
36" MOWER
6 SPEED
LAWN RIDER**

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

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

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

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- **PRODUCT - LAWN RIDER**
- **MODEL NUMBER - 917.257462**
- **ENGINE MODEL NUMBER - 283707 TYPE NUMBER 0217-01**
- **PART NUMBER**
- **PART DESCRIPTION**

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