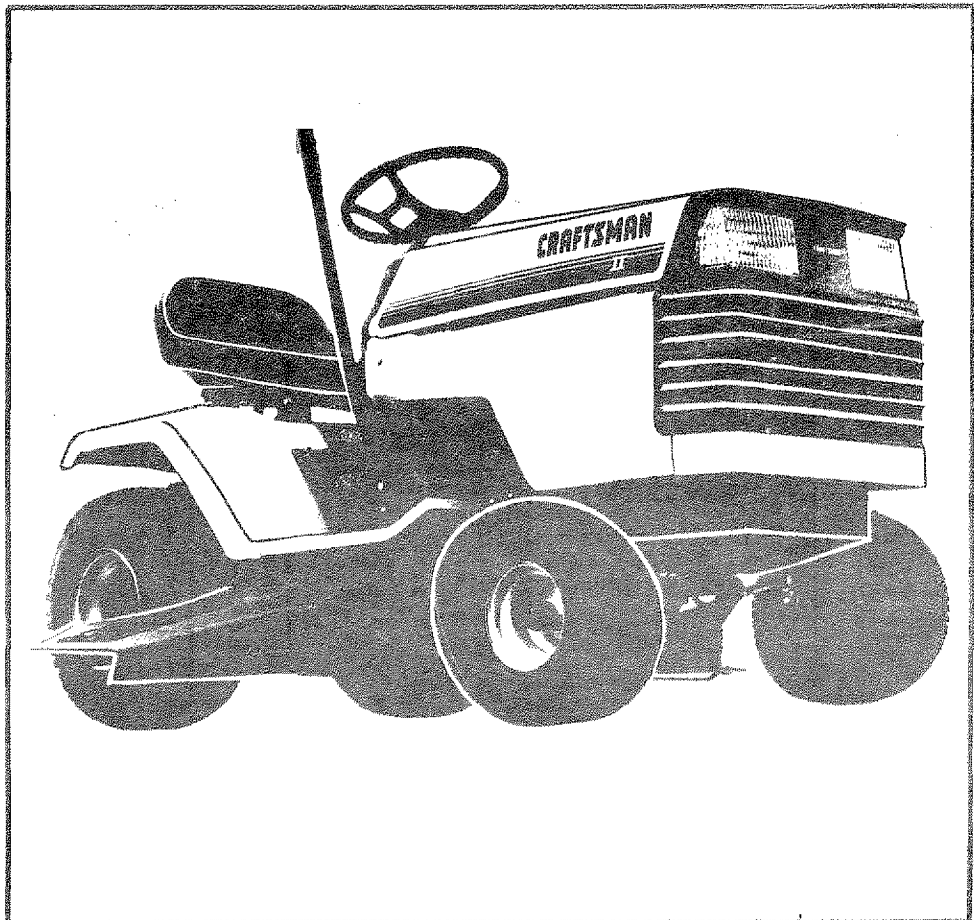


SEARS

**OWNER'S
MANUAL**

**MODEL NO.
917.254780**

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



CRAFTSMAN®

**12.5 HP IC
ELECTRIC START
38" MOWER DECK
6 SPEED TRANSAXLE
LAWN TRACTOR**

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

SAFETY RULES



CAUTION: ALWAYS DISCONNECT SPARK PLUG WIRE AND PLACE WIRE WHERE IT CANNOT CONTACT SPARK PLUG TO PREVENT ACCIDENTAL STARTING WHEN SETTING-UP, TRANSPORTING, ADJUSTING OR MAKING REPAIRS.



IMPORTANT

SAFETY STANDARDS REQUIRE OPERATOR PRESENCE CONTROLS TO MINIMIZE THE RISK OF INJURY. YOUR UNIT IS EQUIPPED WITH SUCH CONTROLS. DO NOT ATTEMPT TO DEFEAT THE FUNCTION OF THE OPERATOR PRESENCE CONTROLS UNDER ANY CIRCUMSTANCES.

TRAINING:

- Know the controls and how to stop quickly. Read this owner's manual and instructions furnished with attachments.
- Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.
- Do not carry passengers. Do not mow when children and others are around.
- Do not attempt to operate your vehicle or mower when not in the driver's seat.
- Always get on or off your vehicle from the operator's left hand side.
- The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
- Never mow in wet or slippery grass, when traction is unsure, or at a speed which could cause a skid.
- Stay alert for holes in the terrain and other hidden hazards. Keep away from drop-offs.
- Do not drive too close to creeks, ditches, and public highways.
- Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run vehicle or mower into or over any foreign objects.
- Never shift gears until vehicle comes to a stop.
- Never place hands or feet under the mower, in discharge chute, or near any moving parts while vehicle or mower is running. Always keep clear of discharge chute.
- Use care when pulling loads or using heavy equipment.
 - Use only approved drawbar hitch points.
 - Limit loads to those you can safely control.
 - Do not turn sharply. Use care when backing.
 - Use counterweight or wheel weights when suggested in owner's manual.
- Watch out for traffic when crossing or near roadways.
- When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
- Except for adjustments, do not operate engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.
- Do not change the engine governor settings or overspeed the engine; severe damage or injury may result.
- When using the vehicle with mower, proceed as follows:
 - Mow only in daylight or in good artificial light.
 - Shut the engine off when unclogging chute.
 - Check the blade mounting bolts for proper tightness at frequent intervals.
- Disengage power to mower before backing up. Do not mow in reverse unless absolutely necessary and then only after careful observation of the entire area behind the mower.

PREPARATION:

- Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
- Clear the work area of objects (wire, rocks, etc.) which might be picked up and thrown.
- Disengage all attachment clutches before attempting to start the engine.
- Handle gasoline with care - it is highly flammable.
 - Use approved gasoline containers.
 - Never remove the fuel cap of the fuel tank or add gasoline to a running or hot engine or an engine that has not been allowed to cool for several minutes after running. Never fill tank indoors. Always clean up spilled gasoline.
 - Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
- Do not operate the mower without the entire grass catcher, on mowers so equipped, or the deflector shield in place.

OPERATION:

- Keep your eyes and mind on your vehicle, mower, and the area being cut. Do not let other interests distract you.
- Disengage power to attachments and stop the engine before leaving the operator's position.
- Disengage power to mower, stop the engine, and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment, or repair. Be careful to avoid touching hot muffler or engine components.
- Disengage power to attachments when transporting or not in use.
- Take all possible precautions when leaving the vehicle unattended. Disengage the power take-off, lower the attachments, shift into neutral, set the parking brake, stop the engine, and remove the key.
- Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of slopes (not greater than 15°), never across the face.
- Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
- While going up or down slopes, place gearshift control lever in 1st gear position to negotiate the slope without stopping.

MAINTENANCE AND STORAGE

- Keep the vehicle and attachments in good operating condition, and keep safety devices in place and working.
- Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- Never store the equipment 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.
- To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease. Do not clean product while engine is running.
- Do not operate without a muffler, or tamper with exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.
- Under normal usage the grass catcher bag material is subject to deterioration and wear. It should be checked frequently for bag replacement. Replacement bags should be checked to ensure compliance with the original manufacturer's recommendations or specifications.



LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS - ATTENTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.

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

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

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

MODEL NUMBER	917.254780
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:	12.5
GASOLINE CAPACITY:	5 QUARTS 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 1.10 MPH 2nd 1.40 MPH 3rd 2.00 MPH 4th 3.00 MPH 5th 4.20 MPH 6th 5.00 MPH REVERSE: 1.50 MPH
TIRE PRESSURE:	FRONT: 14 PSI REAR: 12 PSI
CHARGING SYSTEM:	16 AMPS @ 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

TABLE OF CONTENTS

SAFETY RULES	2	OPERATION	10-13
PRODUCT SPECIFICATIONS	3	MAINTENANCE	14-17
CUSTOMER RESPONSIBILITIES	3	SERVICE AND ADJUSTMENTS	18-24
WARRANTY	3	STORAGE	25
TABLE OF CONTENTS	4	TROUBLESHOOTING	26-27
INDEX	4	REPAIR PARTS - TRACTOR	30-43
TRACTOR ACCESSORIES	5	REPAIR PARTS - ENGINE	44-48
ASSEMBLY	7-9	PARTS ORDERING/SERVICE	BACK PAGE


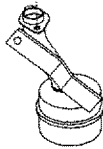
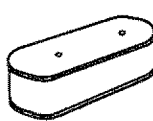
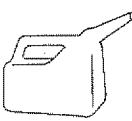
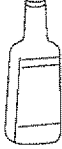

INDEX

A		F		P	
Accessories.....	5	Filter:		Parking Brake	10-11
Adjustments:		Air Filter	16	Parts Bag	6
Brake	21	Air Filter Foam Pre-Cleaner	16	Parts, Replacement/Repair	30-48
Carburetor	24	Fuel	17	Product Specifications.....	3
Mower		Fuel:		R	
Front-To-Back	19	Type	12	Repair Parts	30-48
Side-To-Side	18	Storage	25	S	
Throttle Control Cable	24	Fuse	23	Safety Rules	2
Air Filter, Engine	16	H		Seat	8
Air Screen, Engine	17	Hood Removal/Installation	23	Service and Adjustments	18-24
Assembly	7-9	L		Carburetor	24
B		Leveling Mower Deck	18-19	Fuse	23
Battery:		Lubrication:		Hood Removal/Installation	23
Charging	8	Chart	14	Motion Drive Belt	
Cleaning	16	M		Removal/Replacement	21
Installation	9	Maintenance	14-17	Mower Blade Drive Belt	
Levels	8,16	Air Filter	16	Removal/Replacement	20
Preparation	8	Air Filter Foam Pre-Cleaner	16	Mower Adjustment	
Starting with Weak Battery	22	Air Screen, Engine	17	Front- to-Back	19
Storage	25	Battery	16	Side-to-Side.....	18
Terminals	16	Blade	15	Mower Removal	18
Belt:		Cooling Fins, Engine.....	17	Tire Care	8,15,22
Motion Drive		Engine Oil	16	Slope Guide Sheet	51
Removal/Replacement	21	Fuel Filter	17	Spark Plugs	17
Mower Blade Drive		Lubrication Chart	14	Specifications	3
Removal/Replacement	20	Schedule	14	Starting the Engine	12-13
Blade:		Spark Plugs	17	Steering Wheel	7,22
Sharpening	15	Tire Care	8,15,22	Stopping the Tractor	11
Replacement	15	Mower:		Storage	25
Brake Adjustment	21	Adjustment, Front-to-Back.....	19	T	
C		Adjustment, Side-to-Side.....	18	Throttle Control Cable	
Carburetor Adjustment	24	Blade Sharpening	15	Adjustment	24
Controls, Tractor	10	Blade Replacement	15	Tires.....	8,15,22
Cutting Height, Mower	11	Cutting Height.....	11	Trouble Shooting Chart	26-27
E		Installation	18	Transaxle:	
Electrical:		Operation	12	Repair Parts	42-43
Interlocks and Relays	23	Removal	18	W	
Schematic	29	Mowing Tips	13	Warranty	3
Wiring Diagram.....	30	Muffler.....	17	Wiring Diagram	30
Engine:		Spark Arrester	3,34	Wiring Schematic	29
Air Filter	16	O			
Air Filter Foam Pre-Cleaner	16	Oil:			
Air Screen	17	Cold Weather Conditions	12,16		
Cooling Fins, Engine	17	Engine	16		
Oil Change	16	Storage	25		
Oil Level	12,16	Operation	10-13		
Oil Type	16	Operating Mower	12		
Preparation	12	Options:			
Repair Parts	44-48	Accessories	5		
Starting	13	Spark Arrester	3,34		
Storage	25				



ACCESSORIES AND ATTACHMENTS

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

ENGINE

SPARK PLUG	MUFFLER	AIR FILTER	GAS CAN	ENGINE OIL	STABILIZER
					

MAINTENANCE

BLADES	BELTS
	

PERFORMANCE

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

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

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

LAWN SWEEPERS let you collect grass clippings and leaves.

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

CARTS make hauling easy. Variety of sizes available.

ROLLER for smoother lawn surface. 36-inch wide, 18 inch diameter water-tight drum holds up to 390lbs. 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" steel spikes mounted on 10-in. diameter discs puncture holes in soil at close intervals to let moisture soak in. Steel weight tray for increased penetration.

DETHATCHER loosens soil and flips thatch and matted leaves to lawn surface for easy pick up. Twenty spring tine teeth. Useful to prepare bare areas for seeding. Available for front or rear mounting.

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

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

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

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

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

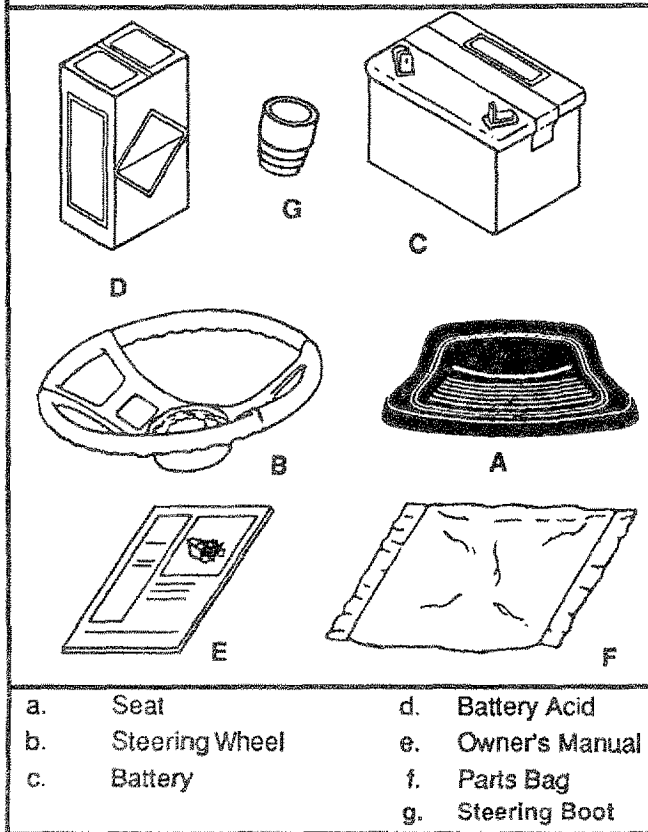
TRACTOR CAB has heavy duty vinyl fabric over tubular steel frame, ABS plastic top; clear plastic windshield offers 360 degree visibility. Hinged metal doors with catch. Keeps operator warm and dry. Remove vinyl and windshields for use as sun protector in summer.

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

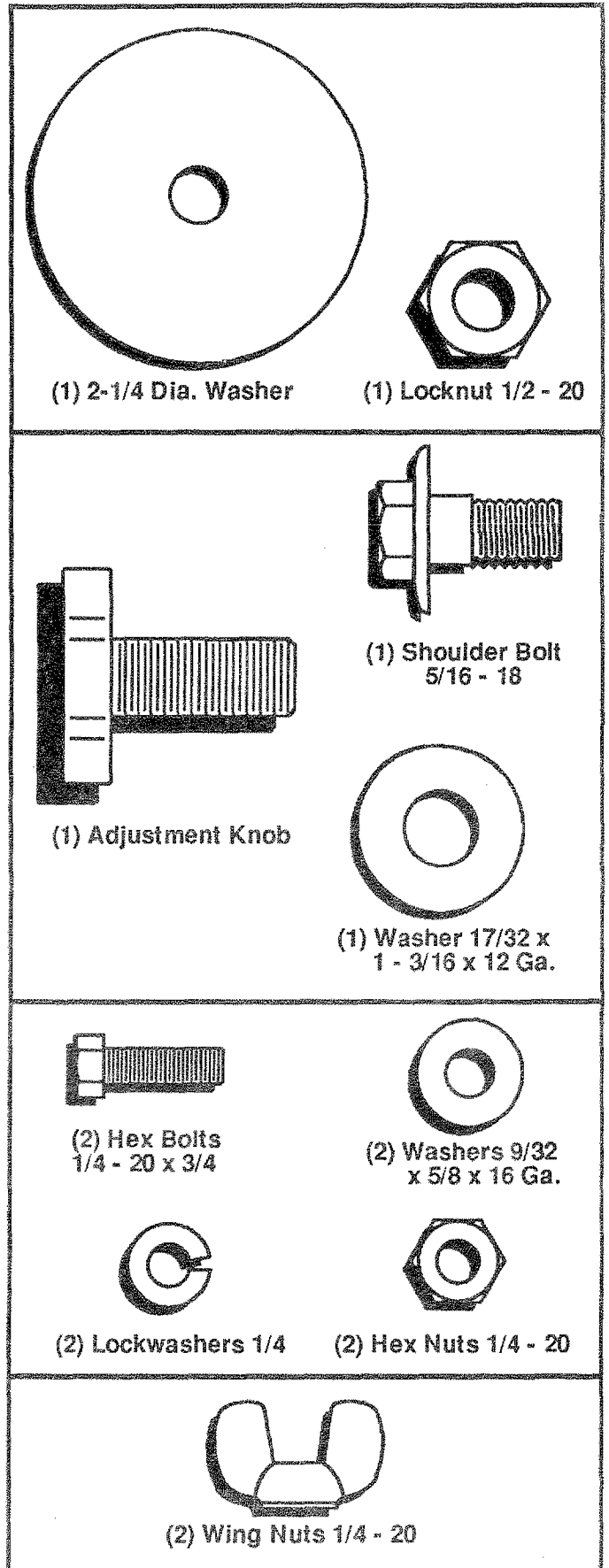
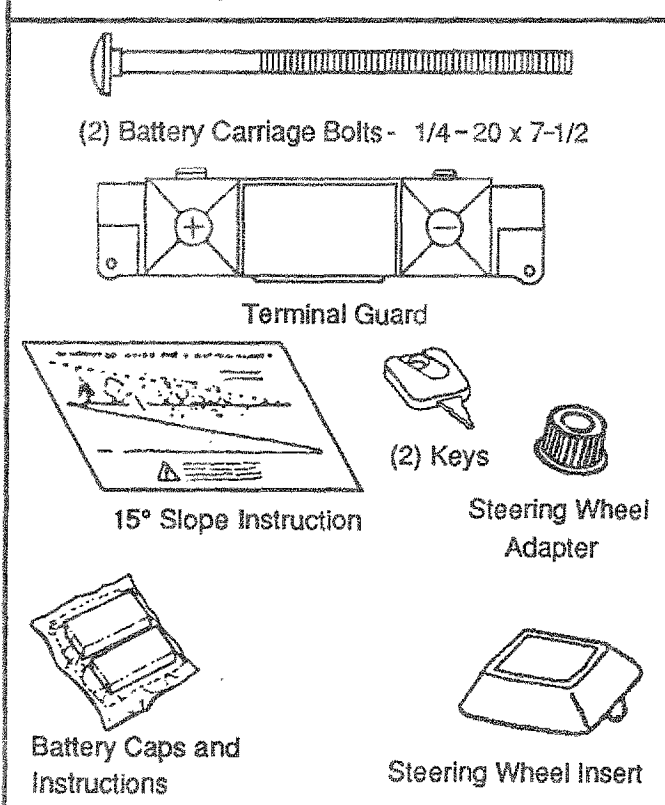
TRACTOR COVER protects tractor from weather. Made of Evolution 3 fabric (water-repellent, extremely breathable, light weight, soft, non-abrasive, pliable in all temperatures, durable, stain/tear/puncture resistant, will not shrink or stretch).

CONTENTS OF HARDWARE PACK

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) 5/16" wrench | (1) 3/4" wrench |
| (2) 7/16" wrenches | Tire pressure gauge |
| (1) 1/2" wrench | Screwdriver |
| (1) 9/16" 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 loose parts from carton (See page 6).
- Cut, from top to bottom, all four corners of carton and lay panels flat.

ATTACH STEERING WHEEL (See Fig. 1)

- Remove hex nut and large flat washer from steering shaft.
- Position steering boot over 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.
- Secure steering wheel to steering shaft with hex nut and large flat washer previously removed. Tighten securely.
- Snap insert into center of steering wheel.
- Remove protective plastic from tractor hood.

BEFORE ROLLING UNIT OFF SKID

(See Fig. 6)

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

- Raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Roll unit backwards off skid.

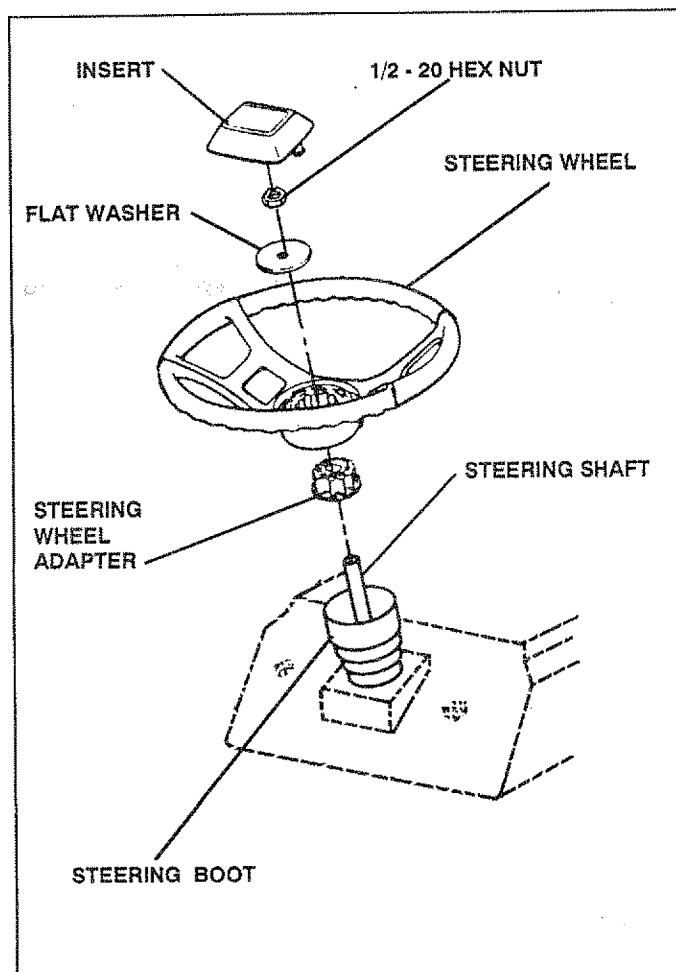


FIG. 1

ASSEMBLY

HOW TO SET UP YOUR TRACTOR

PREPARE BATTERY (See Fig. 2)

CAUTION: Wear eye and face shield.

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

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

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



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

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

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

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

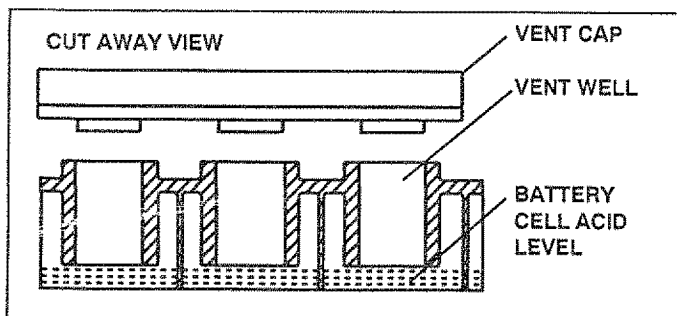


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment bolt.

- Remove cardboard packing on seat pan.
- Place seat on pan and assemble shoulder bolt.
- Assemble adjustment knob loosely. Do not tighten.
- Tighten shoulder bolt securely.
- Lower seat into operating position and sit on seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down (See Fig. 6).
- Get off seat without moving its adjusted position.
- Raise seat and tighten adjustment knob securely.

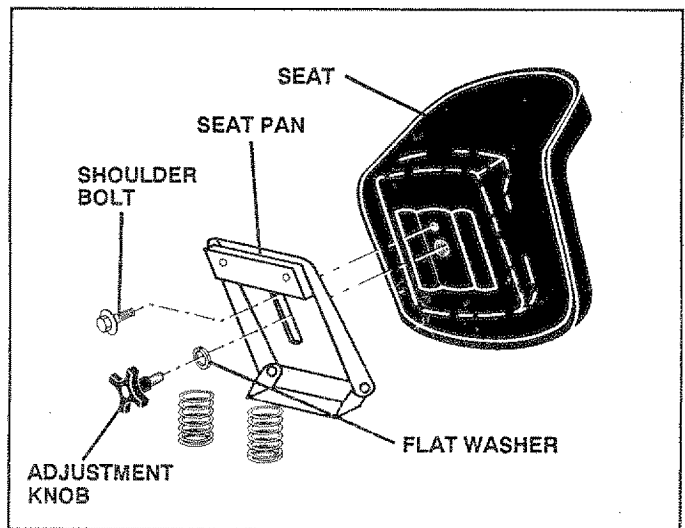


FIG. 3

CHECK TIRE PRESSURE

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

- Reduce tire pressure to PSI shown in "PRODUCT SPECIFICATIONS" on page 3 of this manual.

CHECK DECK LEVELNESS

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

CHECK FOR PROPER POSITION OF ALL BELTS

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

CHECK BRAKE SYSTEM

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

ASSEMBLY

INSTALL BATTERY (See Figs. 4 & 5)



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

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

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

Use terminal access doors for:

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

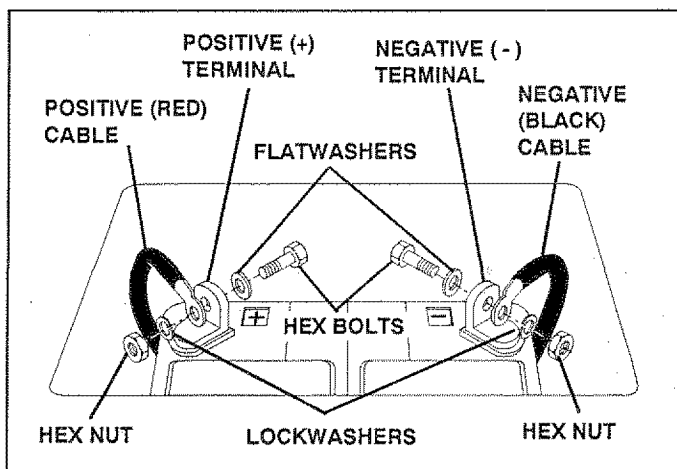


FIG. 4

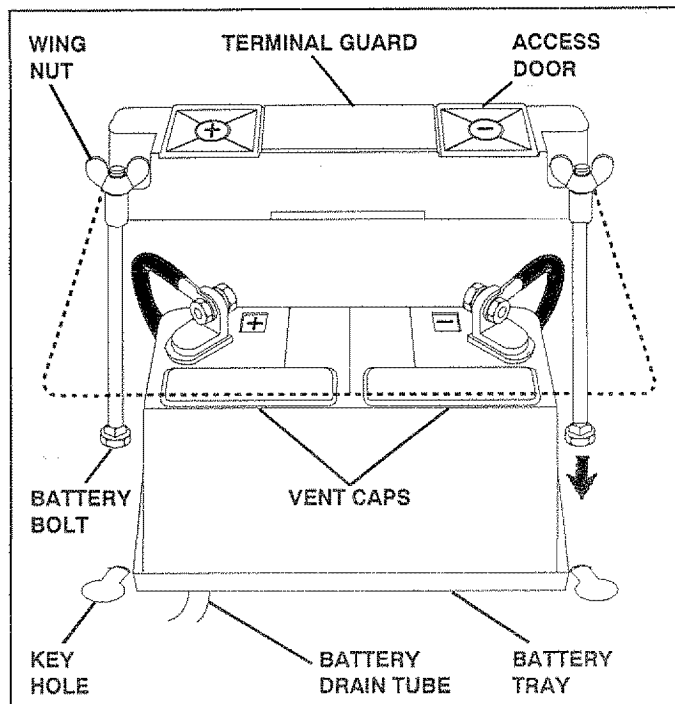


FIG. 5

✓CHECKLIST

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

PLEASE REVIEW THE FOLLOWING CHECKLIST:

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

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

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

OPERATION

KNOW YOUR TRACTOR

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

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

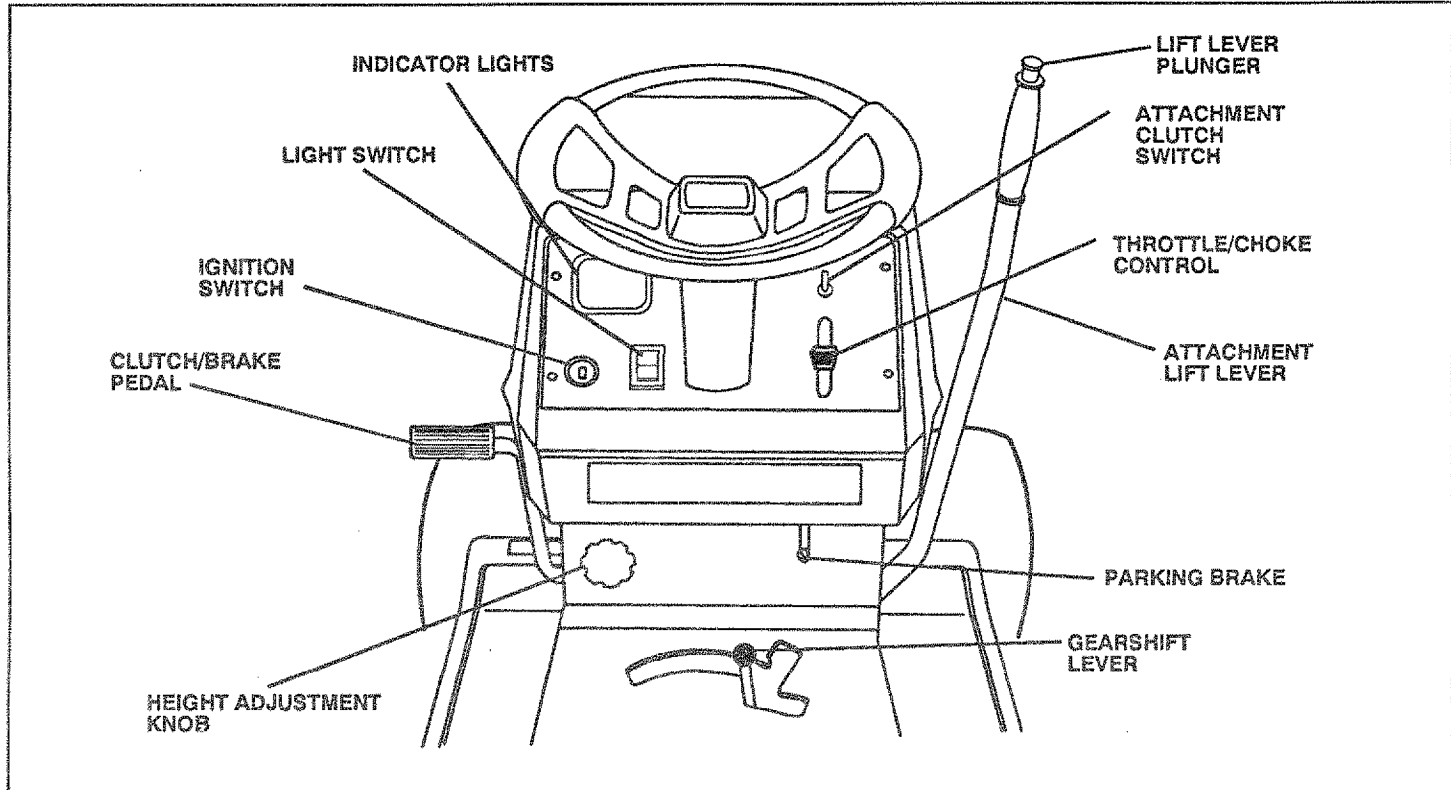


FIG. 6

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

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

LIGHT SWITCH: Turns the headlights on and off.

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

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

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

HEIGHT ADJUSTMENT KNOB: Used to adjust the mower height.

GEARSHIFT LEVER: Selects the speed and direction of tractor.

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

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

IGNITION SWITCH: Used for starting and stopping the engine.

INDICATOR LIGHTS: Indicates clutch/brake pedal engagement, attachment engagement and battery charging (+) or discharging (-)

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 while operating your tractor or performing any adjustments or repairs. We recommend wide vision safety mask for over the spectacles or standard safety glasses, available at Sears Retail or Catalog stores.

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE (See Fig. 7)

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

STOPPING (See Fig. 7)

MOWER BLADES -

- Move attachment clutch switch 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. 7)

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 Fig. 6)

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.

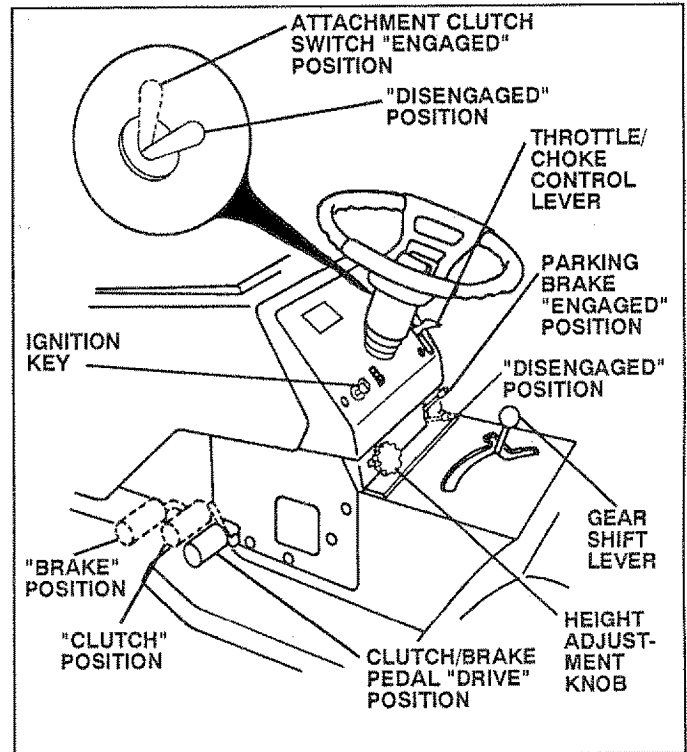


FIG. 7

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 7)

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

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

The cutting height range is approximately 1-1/4 to 3-3/4". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

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

OPERATION

TO OPERATE MOWER (See Fig. 8)

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

- Select desired height of cut.
- Engage mower by pulling attachment clutch switch up and out to "ENGAGED" position.
- TO STOP MOWER - Move attachment clutch switch to "DISENGAGED" position.
- Raise mower deck with lift lever.



CAUTION: DO NOT OPERATE THE MOWER WITHOUT EITHER THE ENTIRE GRASS CATCHER, ON MOWERS SO EQUIPPED, OR THE DISCHARGE GUARD IN PLACE.

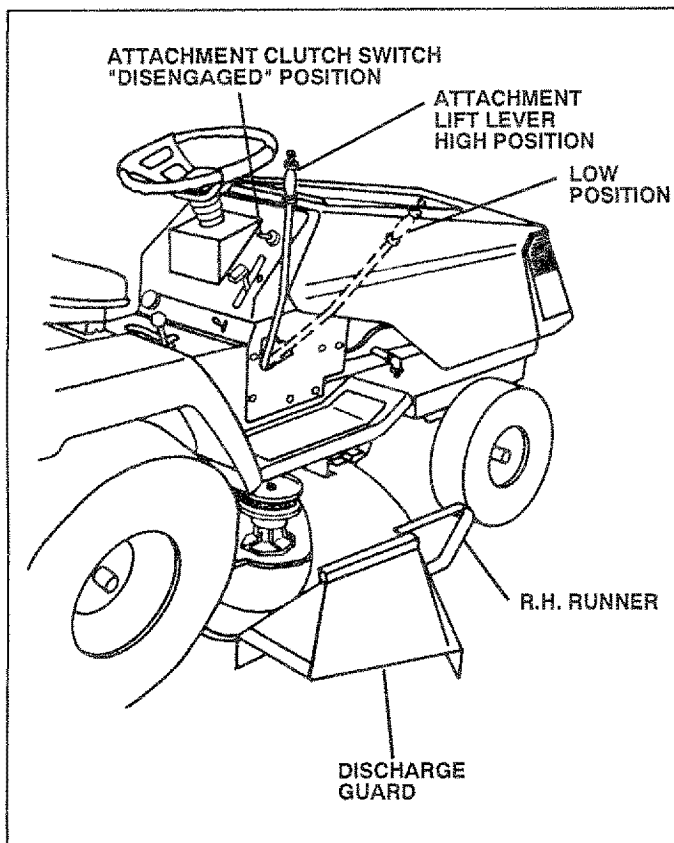


FIG. 8

TO OPERATE ON HILLS



CAUTION: DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15° AND DO NOT DRIVE ACROSS ANY SLOPE.

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

- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- Move gearshift lever to 1st gear and be sure you have allowed room for tractor to roll slightly as you restart movement.
- To restart movement, slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

TO TRANSPORT

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

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 13)

- 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.

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 OVER-FILL. WIPE OFF ANY SPILLED OIL OR FUEL. DO NOT STORE, SPILL OR USE GASOLINE NEAR AN OPEN FLAME.

OPERATION

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 attachment 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

- Tire chains cannot be used when the mower housing is attached to unit.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- Use the runner on the right hand side of mower as a guide. The blade cuts approximately an inch outside the runner (See Fig. 8).
- 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. 9).

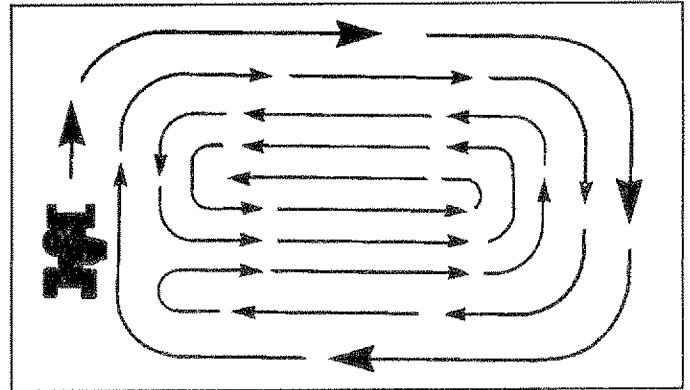


FIG. 9

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

MAINTENANCE

MAINTENANCE SCHEDULE		SERVICE INTERVALS							SERVICE DATES				
		BEFORE EACH USE	FIRST 2 HOURS	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY SEASON					BEFORE STORAGE
TRACTOR	Check Brake Operation	✓	✓										
	Check Tire Pressure	✓	✓										
	Check for Loose Fasteners	✓						✓					
	Sharpen/Replace Mower Blades				✓ ₃								
	Lubricate Pivot Points				✓			✓					
	Check Battery Level/Recharge				✓								
	Clean Battery and Terminals				✓				✓				
ENGINE	Check Engine Oil Level	✓											
	Change Engine Oil		✓	✓ _{1,2}		✓							
	Clean Air Filter/Foam Pre-cleaner			✓ ₂									
	Clean Air Screen			✓ ₂									
	Inspect Muffler/Spark Arrester				✓								
	Clean Engine Cooling Fins					✓ ₂							
	Replace Spark Plug					✓	✓						
	Replace Air Filter Paper Cartridge					✓ ₂							
	Replace Fuel Filter						✓						

- 1 - Change more often when operating under a heavy load or in high ambient temperatures.
- 2 - Service more often when operating in dirty or dusty conditions.
- 3 - 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.

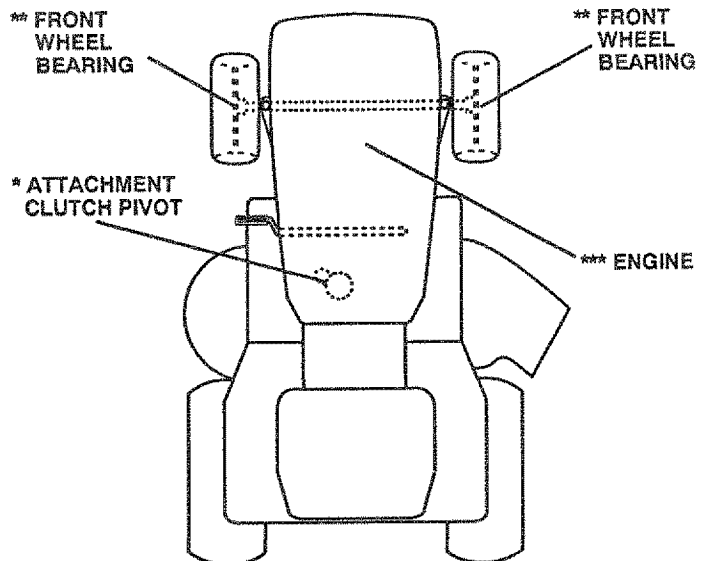
BEFORE EACH USE

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

LUBRICATION

Keep unit well lubricated (See "LUBRICATION CHART").

LUBRICATION CHART



- * SAE 30 OR 10W30 MOTOR OIL API - SF/CC
- ** GENERAL PURPOSE GREASE
- *** 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

TRACTOR

Always observe safety rules when performing any maintenance.

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. 10)

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

IMPORTANT: BLADE BOLT IS GRADE 5 HEAT TREATED.

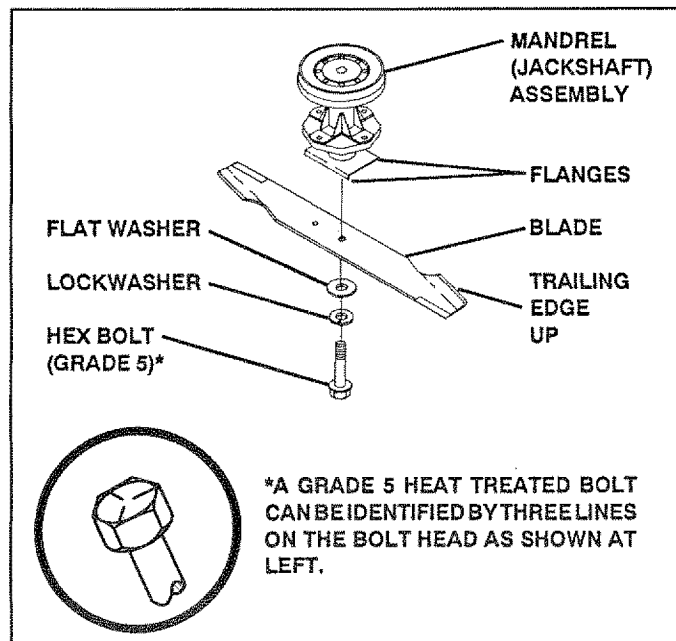


FIG. 10

TO SHARPEN BLADE (See Fig. 11)

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, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place center hole of blade over the head of the nail. 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.

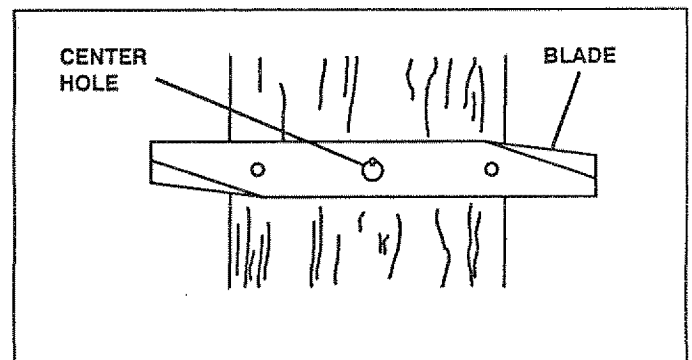


FIG. 11

MAINTENANCE

BATTERY (See Fig. 12)

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.

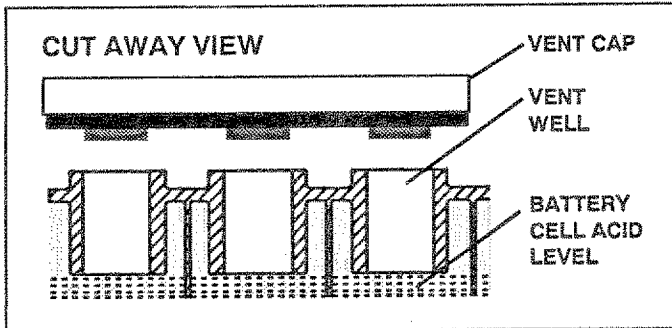


FIG. 12

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

TO CLEAN BATTERY AND TERMINALS -

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

- Remove terminal guard.
- Disconnect BLACK battery cable first then RED battery cable and remove battery from tractor.
- Wash battery with solution of four tablespoons of baking soda to one gallon of water. Be careful not to get the soda solution into the cells.
- Rinse the battery with plain water and dry.
- Clean terminals and battery cable ends with wire brush until bright.
- Coat terminals with grease or petroleum jelly.
- Reinstall battery (See "INSTALL BATTERY" in assembly section of this manual).

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. 13)

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

- 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.

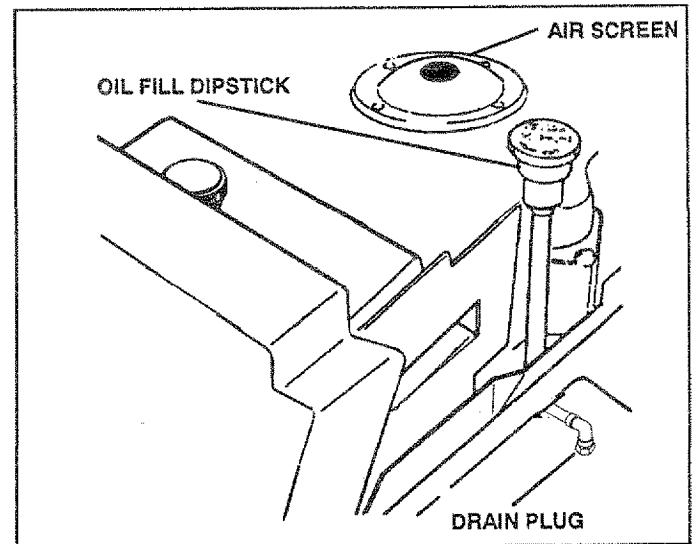
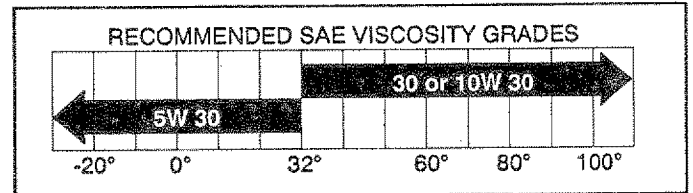


FIG. 13

AIR FILTER FOAM PRE-CLEANER (See Fig. 14)

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

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

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

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

MAINTENANCE

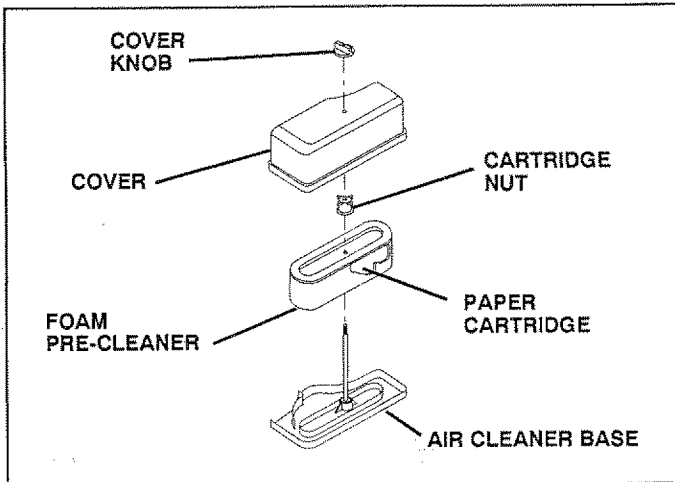


FIG. 14

AIR SCREEN (See Fig. 13)

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. 15)

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.

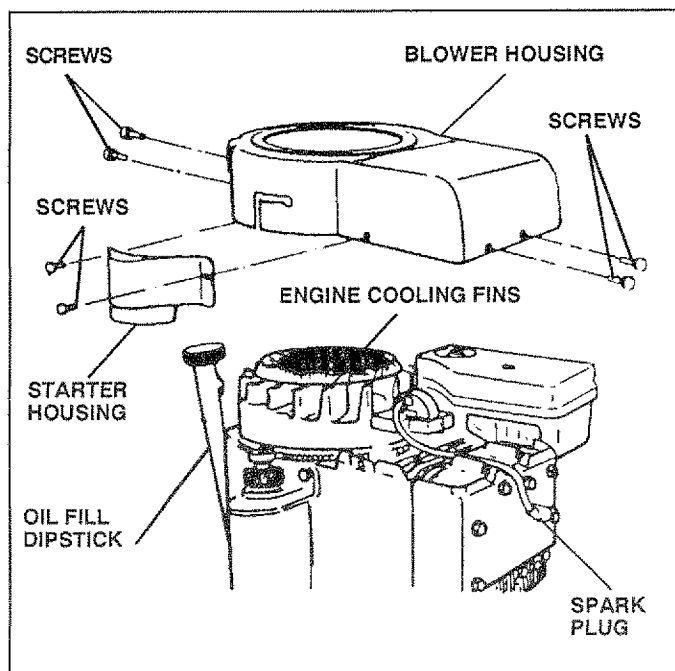


FIG. 15

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. 16)

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.

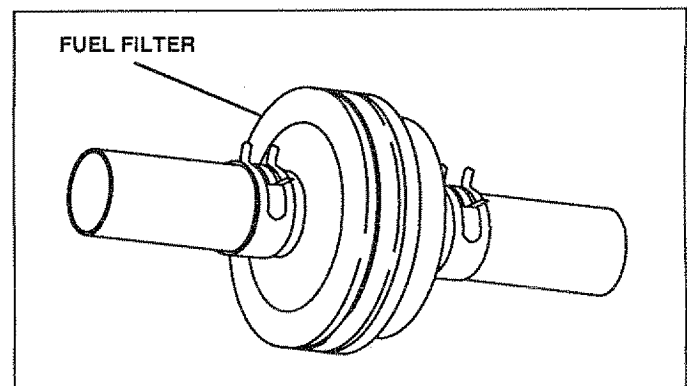


FIG. 16

CLEANING

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

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

SERVICE AND ADJUSTMENTS



CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

- Depress clutch/brake pedal fully and set parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Place attachment clutch in "DISENGAGED" position.
- Turn ignition key "OFF" and remove key.
- Make sure the blades and all moving parts have completely stopped.
- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER (See Fig. 17)

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

- Remove mower blade drive belt from electric clutch pulley only (See "TO REPLACE MOWER BLADE DRIVE BELT" through step removing belt from electric clutch pulley).
- Pull retainer springs out of rear suspension trunnions. Remove rear suspension trunnions from lift brackets.
- Pull retainer springs from front hinge pins.
- Remove hinge pins attaching parallel link to mower and front axle.
- Raise lift lever to raise suspension arms. Slide mower out from under tractor.

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

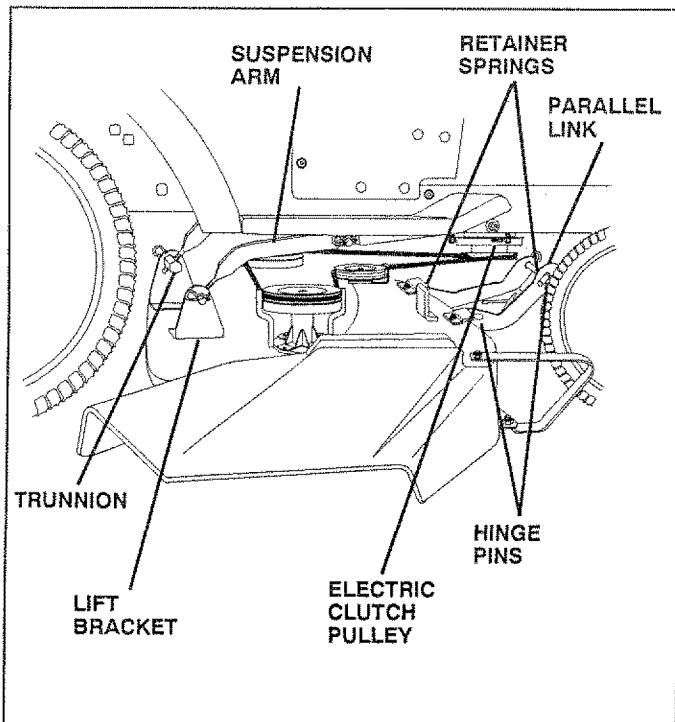


FIG. 17

TO INSTALL MOWER (See Fig. 17)

- Raise attachment lift lever to its highest position.
- Slide mower under tractor with discharge guard to right side of tractor.
- Install parallel link to front axle and mower with hinge pins. Secure hinge pins with retainer springs.
- Lower attachment lift lever to lower suspension arms. Slide trunnions through lift bracket holes and secure with retainer springs.
- Roll belt over electric clutch pulley. Make sure belt is inside all pulley grooves and inside belt guides.
- Raise attachment lift lever to raise mower.
- Turn height adjustment knob to desired position.

TO LEVEL MOWER HOUSING

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

SIDE-TO-SIDE ADJUSTMENT (See Figs. 18 and 19) -

- Raise attachment lift lever to its highest position.
- Measure height from bottom of deck curl to ground level at front corners of mower. Distance "A" should be the same.
- If distance "A" needs to be changed, snap out access hole cover on left side of tractor above footrest.
- To raise left side of mower, loosen nut "B" and tighten nut "C".
- To lower left side of mower, loosen nut "C" and tighten nut "B".
- When distance "A" is equal, securely tighten nuts "B" and "C".
- Replace access hole cover.

SERVICE AND ADJUSTMENTS

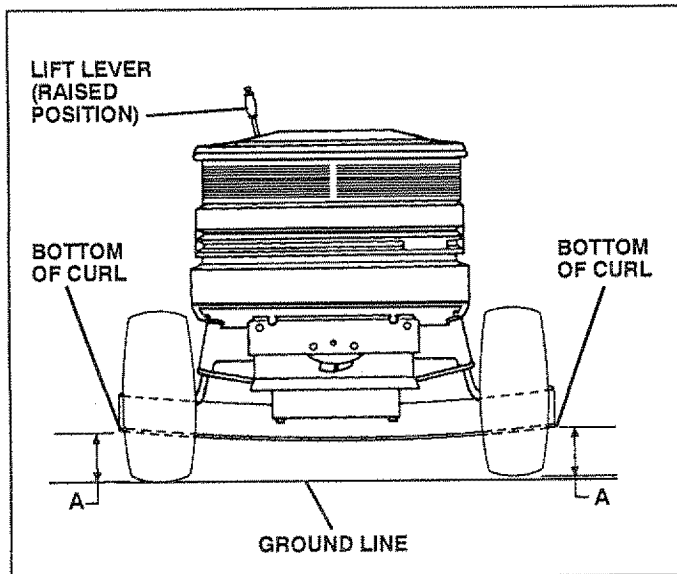


FIG. 18

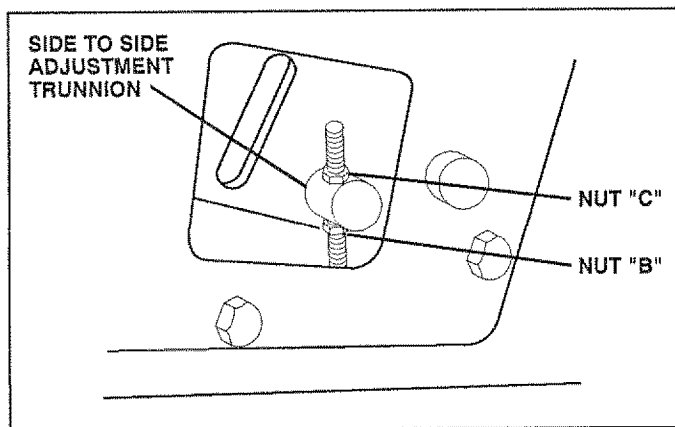


FIG. 19

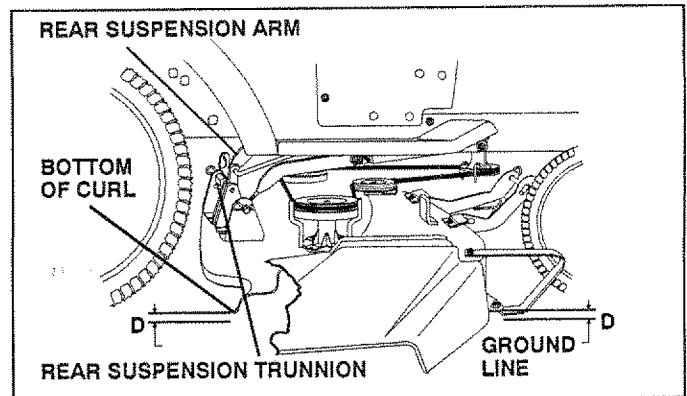


FIG. 20

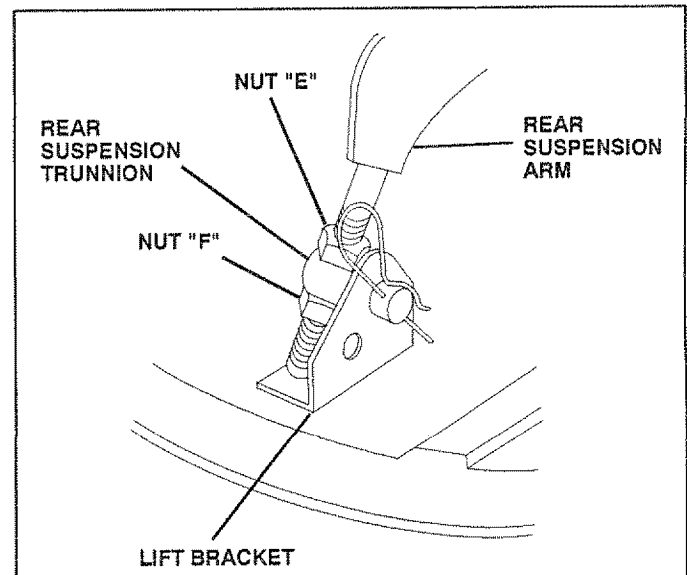


FIG. 21

FRONT-TO-BACK ADJUSTMENT (See Figs. 20 and 21) -

To obtain the best cutting results, the mower housing should be adjusted so the rear is approximately 3/4 to 7/8" higher than the front when the mower is in its highest position.

Check adjustment on right side of tractor. Measure distance "D" at front and rear flanges of mower housing as shown.

- To raise rear of mower, loosen nut "E" on both rear suspension arms. Screw both nuts "F" on both rear suspension arms an equal number of turns.
- When distance "D" is 3/4 to 7/8" lower at front than rear, retighten nuts "E".
- Recheck side-to-side adjustment.

IMPORTANT: WHEN ADJUSTING REAR SUSPENSION TRUNNIONS, ALWAYS ADJUST BOTH EQUALLY SO MOWER WILL STAY LEVEL SIDE-TO-SIDE.

SERVICE AND ADJUSTMENTS

TO ADJUST ATTACHMENT CLUTCH (See Fig. 22)

The electric clutch should provide years of service. The clutch has a built-in brake that stops the pulley within 5 seconds. Eventually, the internal brake will wear so the mower blades will not stop as recommended. Adjustments should be made by an authorized service technician.

- Make sure attachment clutch and ignition switches are in "OFF" position.
- Adjust the three nylon lock nuts until space between clutch plate and rotor measures .012 inches at all three slot locations cut in side of brake plate.

NOTE: After installing a new electric clutch run tractor at full throttle and engage and disengage electric clutch 10 cycles to wear in clutch plate.

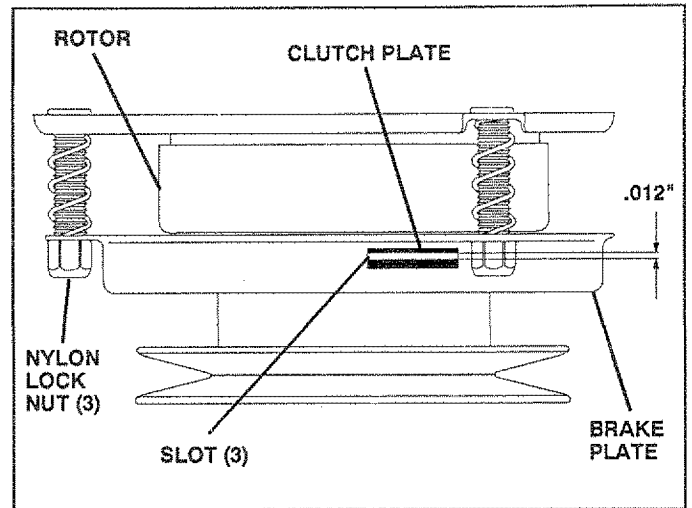


FIG. 22

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

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

BELT REMOVAL -

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off electric clutch pulley.
- Pull belt off both mandrel pulleys.
- Spring belt guide away from idler pulley and pull belt off idler pulley.

BELT INSTALLATION -

- Place belt around back side and in groove of both mandrel pulleys.
- Spring idler belt guide down and place belt around rear side of idler pulley.
- Roll belt over electric clutch pulley.
- Make sure belt is in all pulley grooves and inside all belt guides.

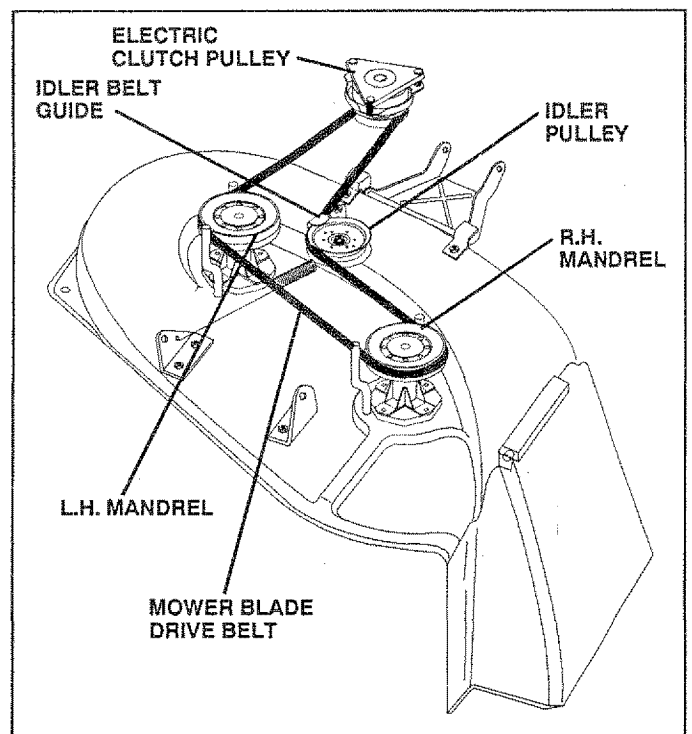


FIG. 23

SERVICE AND ADJUSTMENTS

TO ADJUST BRAKE (See Fig. 24)

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

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

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

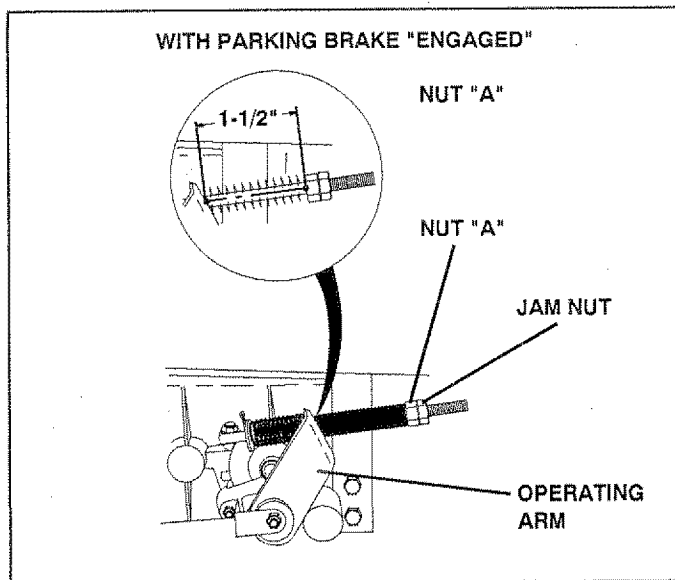


FIG. 24

TO REPLACE MOTION DRIVE BELT (See Figs. 25 and 26)

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.

- Remove mower (See "TO REMOVE MOWER" in this section of this manual).
- Remove two retainer springs from belt guide bracket (below transaxle pulley). Remove bracket.
- Swing belt guides away from belt.
- Roll belt over top of transaxle pulley.
- Remove clutch locator.
- Disconnect clutch wire harness.
- Rotate clutch assembly enough to allow belt to be removed downwards off engine pulley, under belt keeper, and around clutch assembly.
- Pull belt out up through gearshift lever gate opening to remove from tractor.
- Install new belt by reversing above procedure.

IMPORTANT: REPLACE ONLY WITH BELT LISTED IN THIS MANUAL.

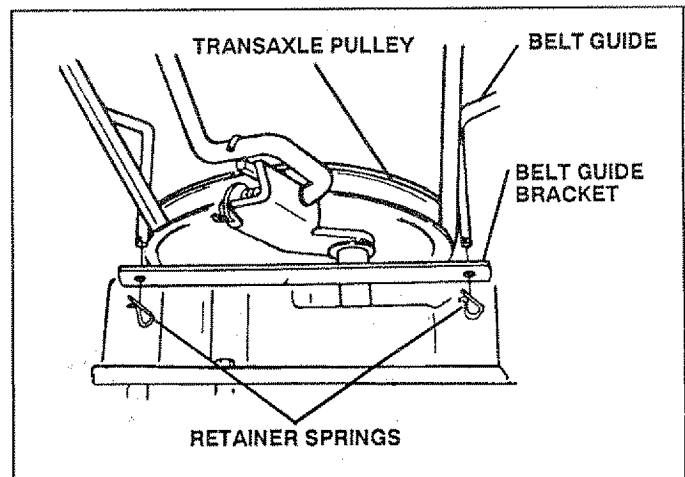


FIG. 25

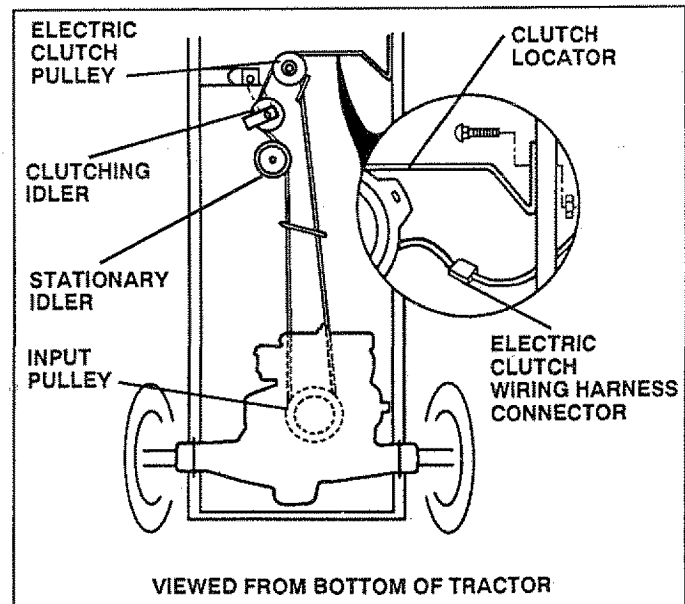


FIG. 26

SERVICE AND ADJUSTMENTS

TO ADJUST STEERING WHEEL ALIGNMENT

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

FRONT WHEEL TOE-IN/CAMBER

The front wheel toe-in and camber are not adjustable on your unit. If damage has occurred to affect the front wheel toe-in or camber, contact your nearest Sears Service Center.

TO REMOVE WHEEL FOR REPAIRS (See Fig. 27)

- Block up axle securely.
- Remove hub cap, 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 hub cap.

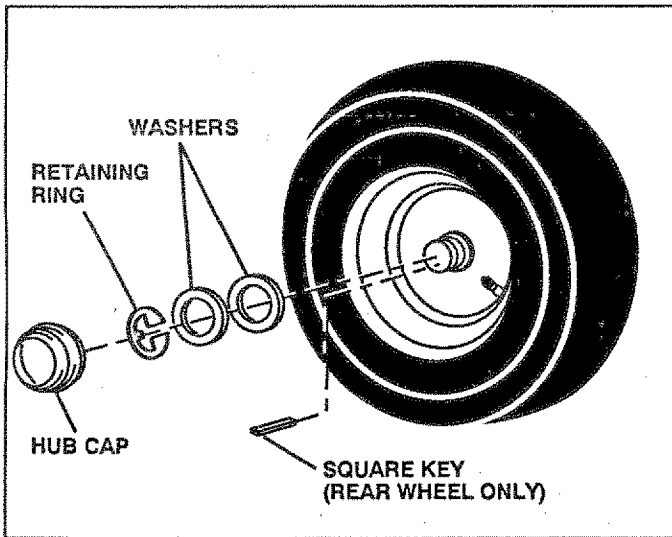


FIG. 27

TO START ENGINE WITH A WEAK BATTERY (See Figs. 28 & 29)



CAUTION: LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES. KEEP SPARKS, FLAME AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS WEAR EYE PROTECTION WHEN AROUND BATTERIES.

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

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

TO ATTACH JUMPER CABLES -

- Connect each end of the RED cable to the POSITIVE (+) terminal of each battery, taking care not to short against chassis.
- Connect one end of the BLACK cable to the NEGATIVE (-) terminal of fully charged battery.
- Connect the other end of the BLACK cable to a panel bolt on the left side of the chassis, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

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

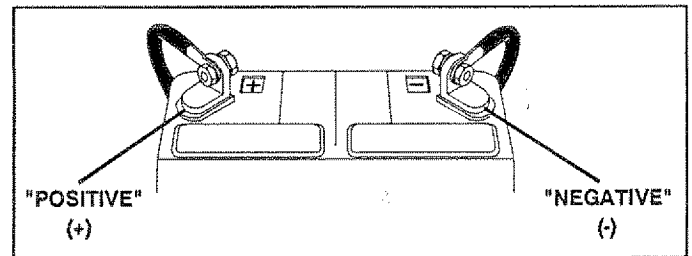


FIG. 28

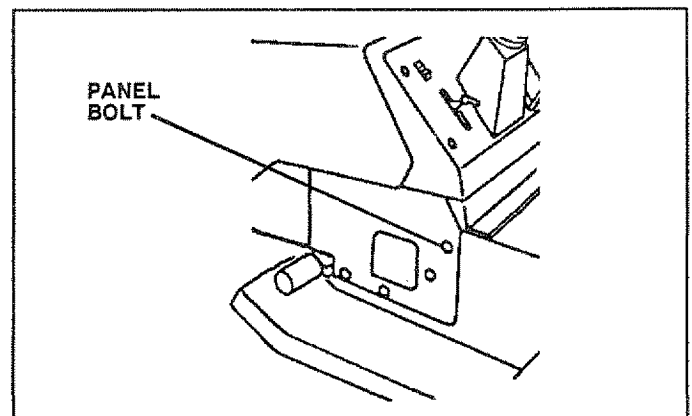


FIG. 29

SERVICE AND ADJUSTMENTS

TO REPLACE FUSE (See Fig. 30)

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

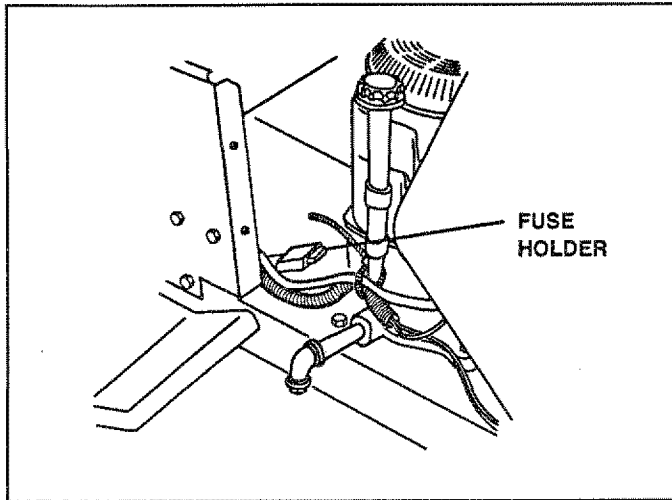


FIG. 30

TO REPLACE HEADLIGHT BULB

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

INTERLOCKS AND RELAYS

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

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

TO REMOVE HOOD, GRILL AND SIDE PANELS (See Fig's. 31 and 32)

- Raise hood.
- Unsnap headlight wire connector.
- Remove screw at rear of each side panel.
- Pivot hood and side panel forward and lift off tractor.
- To replace, reverse above procedure.

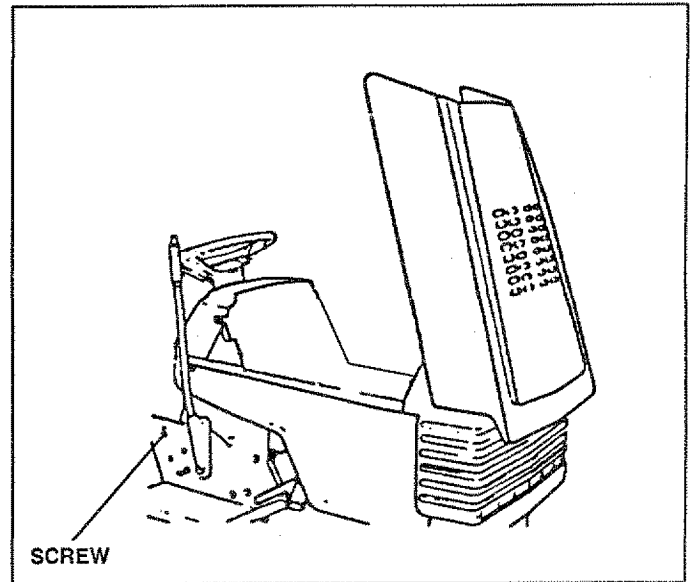


FIG. 31

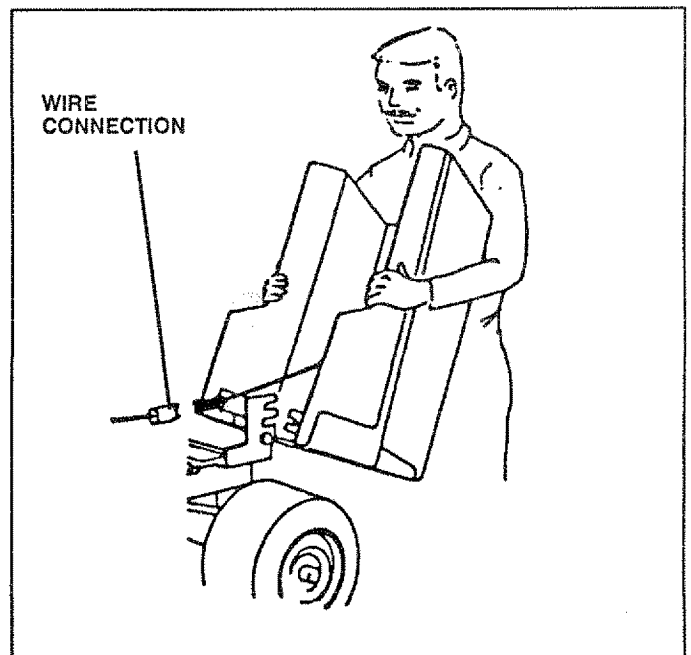


FIG. 32

SERVICE AND ADJUSTMENTS

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 33)

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 hole 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.

TO ADJUST CARBURETOR (See Fig. 33)

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

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

IMPORTANT: DAMAGE TO THE NEEDLES AND THE SEATS IN CARBURETOR MAY RESULT IF SCREWS ARE 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 high speed mixture screw in (clockwise) closing it finger tight and then turn out (counterclockwise) 1-1/4 to 1-1/2 turns.
- Turn idle mixture screw in (clockwise) closing finger tight and then turn out (counterclockwise) 1 turn.

FINAL SETTING -

- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in "NEUTRAL" position.
- With throttle control lever in "FAST" position, turn high speed mixture screw in (clockwise) until engine begins to die then turn out (counterclockwise) until engine runs rough. Turn screw to a point midway between those two positions.
- With throttle control lever in "SLOW" position, turn idle mixture screw in (clockwise) until engine begins to die and then turn out (counterclockwise) until engine runs rough. Turn screw to a point midway between those two positions.

GOVERNED IDLE -

- Move throttle control lever to "SLOW" position. With finger, hold throttle shaft in closed position against throttle stop (counterclockwise). Turn idle speed screw to attain 1550 RPM. Release throttle shaft. Move throttle control lever to attain 1750 RPM. Turn governor idle screw until it contacts governor control lever.

ACCELERATION TEST -

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

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

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

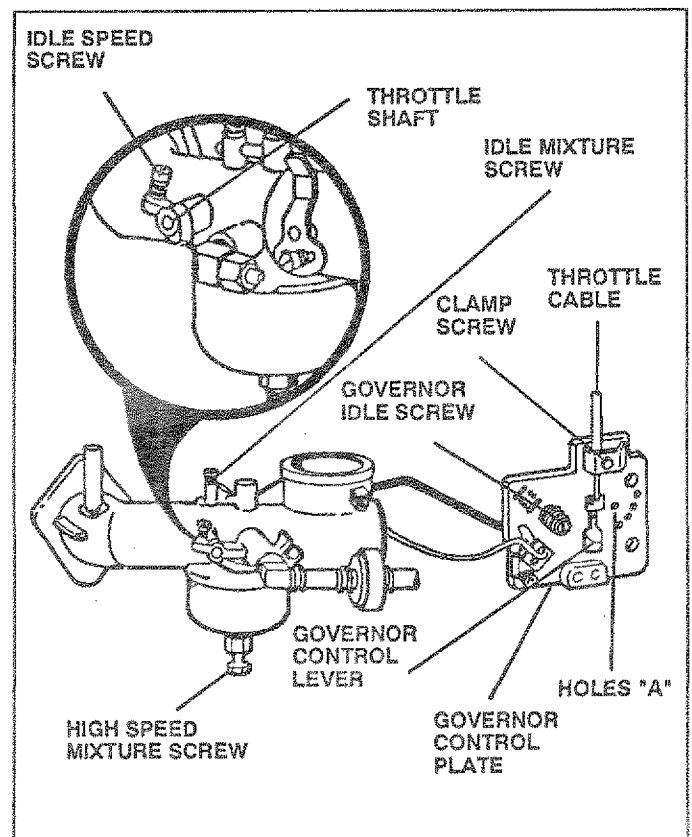


FIG. 33

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. Give blades and underside of housing a good coat of grease or rust preventative. 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 to drain in battery tray.

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.
- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new spark plug(s).

OTHER

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

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

TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Will not start	<ol style="list-style-type: none"> 1. Out of fuel. 2. Engine not "CHOKED" properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment. 10. Engine valves out of adjustment. 	<ol style="list-style-type: none"> 1. Fill fuel tank. 2. See TO START ENGINE in operation section. 3. Wait several minutes before attempting to start. 4. Replace spark plug. 5. Clean/replace air filter. 6. Replace fuel filter. 7. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 8. Check all wiring. 9. Contact Sears Service Department. 10. Contact Sears Service 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 Department. 8. Contact Sears Service 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 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 Department. 15. Contact Authorized Service Facility.
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.

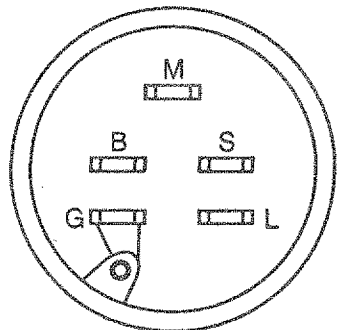
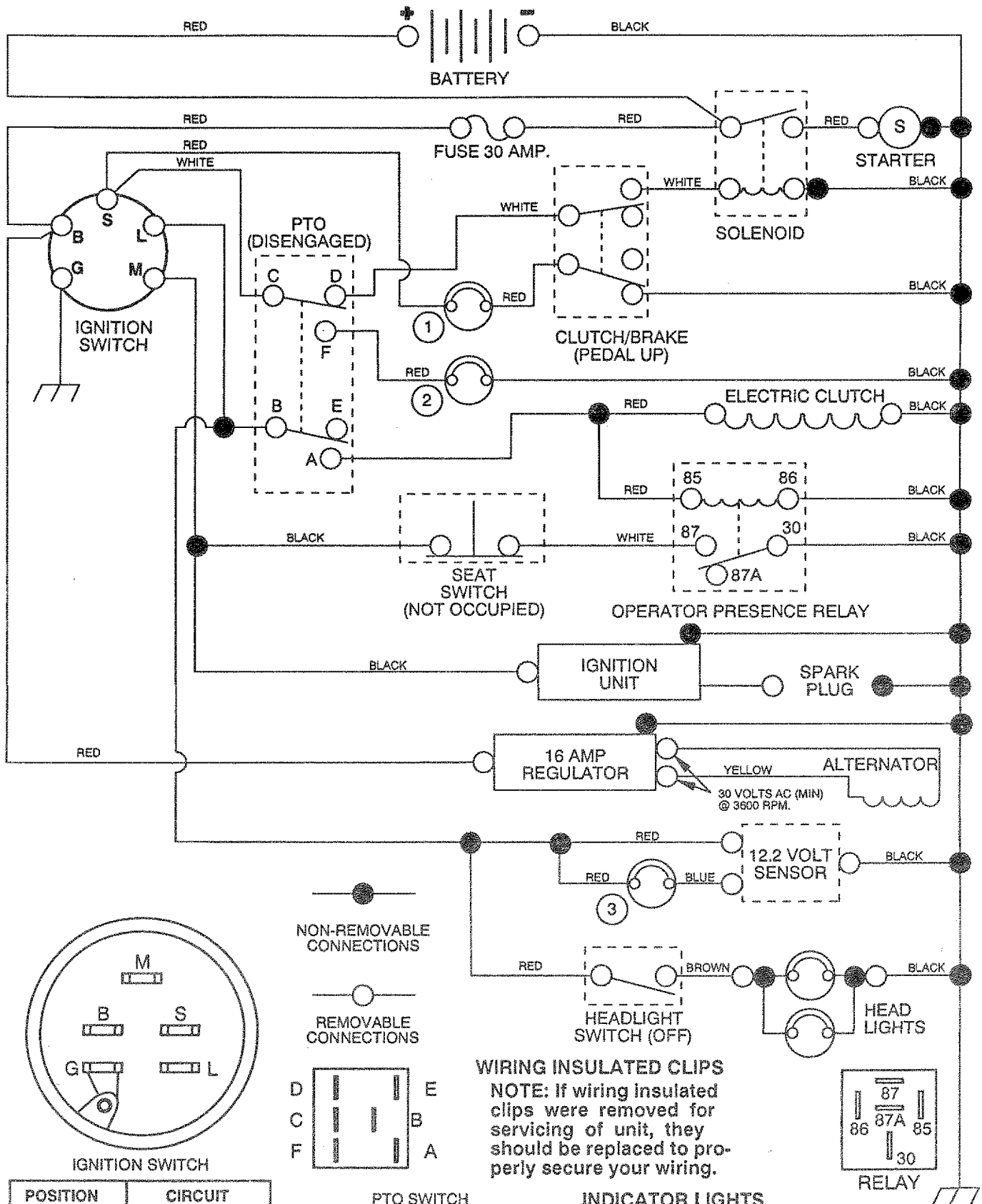
TROUBLESHOOTING POINTS

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 Department.
Poor cut - uneven	<ol style="list-style-type: none"> 1. Worn, bent or loose blade. 2. Mower deck not level. 3. Build-up 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. Build-up 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). 4. Faulty alternator. 	<ol style="list-style-type: none"> 1. Replace battery. 2. Check/clean all connections. 3. Replace regulator. 4. Replace alternator.

SERVICE NOTES

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

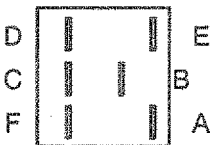
SCHEMATIC



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

NON-REMOVABLE CONNECTIONS

REMOVABLE CONNECTIONS



PTO SWITCH	
POSITION	CIRCUIT
OFF	B + E, C + D
ON	B + A, C + F

WIRING INSULATED CLIPS

NOTE: If wiring insulated clips were removed for servicing of unit, they should be replaced to properly secure your wiring.

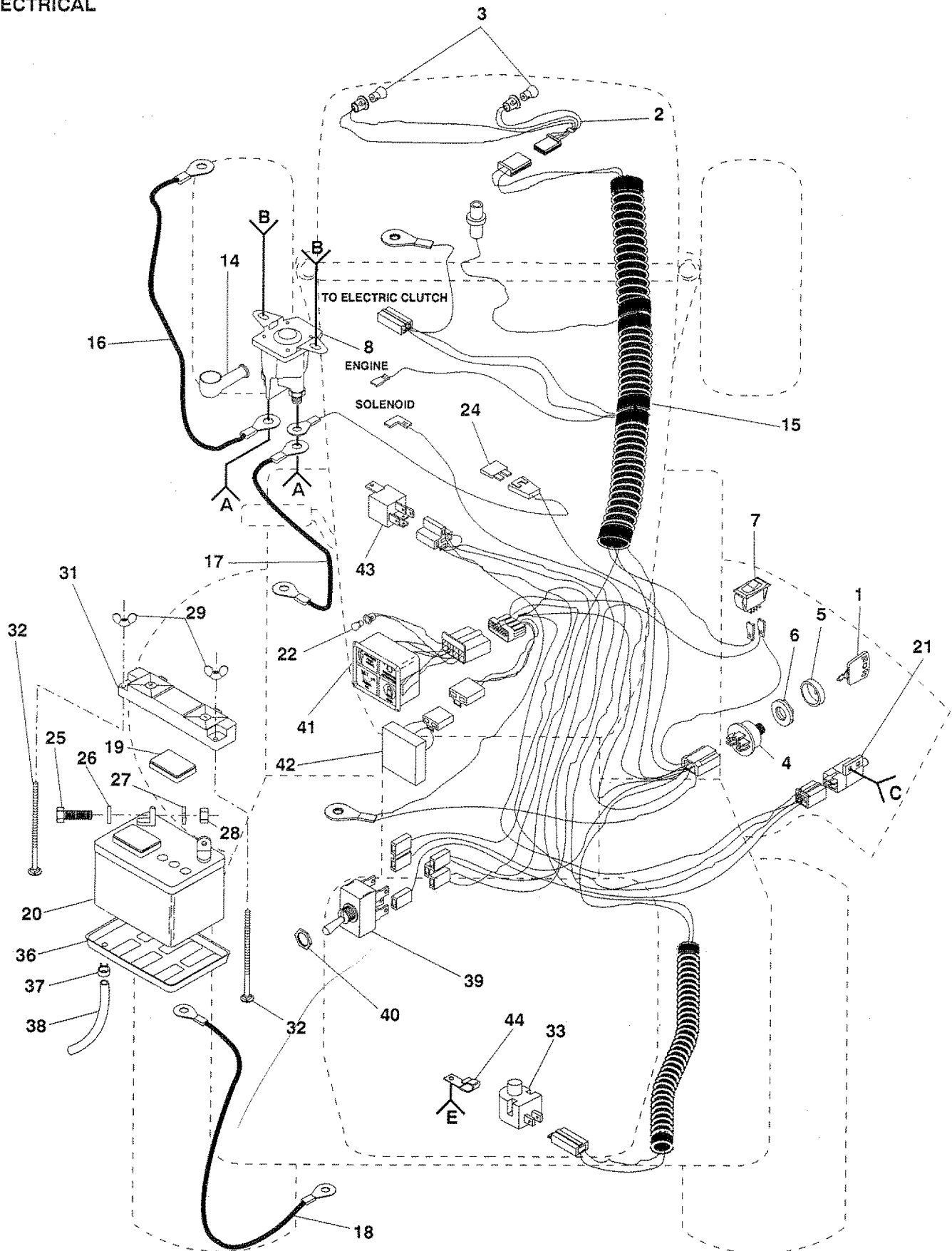
INDICATOR LIGHTS

- ① DEPRESS FOOT PEDAL
- ② DISENGAGE ATTACHMENT
- ③ BATTERY DISCHARGING

REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

ELECTRICAL



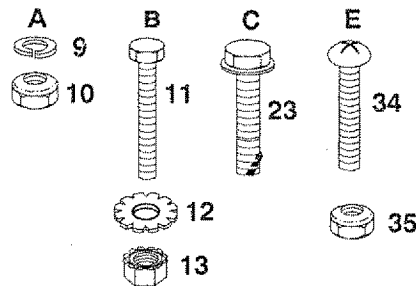
REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	109310X	Key, Molded	24	108824X	Fuse
2	110859X	Harness, Light Socket	25	STD522507	* Bolt, Hex 1/4-20 x 3/4
3	4152J	Bulb, Light	26	STD551025	* Washer 9/32 x 5/8 x 16 Ga.
4	4406R	Switch, Ignition	27	STD551125	* Washer, Lock 1/4
5	109787X	Bezel, Ignition	28	STD541025	* Nut, Hex 1/4-20
6	109788X	Nut, Ignition	29	123198X	Nut, Wing 1/ -20
7	110712X	Switch, Light	31	102476X	Guard, Terminal
8	109081X	Solenoid	32	72240460	Bolt, Carriage 1/4-20 x 7-1/2
9	10090400	Washer, Lock	33	121305X	Switch, Seat
10	STD541225	* Nut, Jam 1/4-20	34	74641008	Screw, Slotted Pan Hd.
11	STD522505	* Bolt, Hex 1/ -20 x 1/2 Gr. 5	35	73951000	Nut, Keps #10-32
12	11050400	Washer, Lock	36	7603J	Tray, Battery
13	73510400	Nut, Keps	37	109596X	Clamp, Hose
14	719J	Cover, Terminal	38	105687X	Tube
15	121455X	Harness, Ignition	39	109626X	Switch, PTO
16	108423X	Cable, Battery	40	4022J	Nut, Hex
17	5114J	Cable, Battery	41	110808X	Assembly, Light Package
18	4207J	Cable, Ground	42	127385X	Sensor, Low Voltage
19	121264X	Set, Caps, Battery	43	109748X	Relay
20	121265X	Battery	44	4171R	Clip, Insulated
21	109553X	Switch, Interlock	--	121651X	Decal, Battery
22	110143X	Bulb, Dashboard Light	--	101539X	Sheet, Instruction, Tractor 15° Slope
23	17021008	Screw, Hex Tap. # 10-24 x 1/2	--	128326	Manual, Owner's

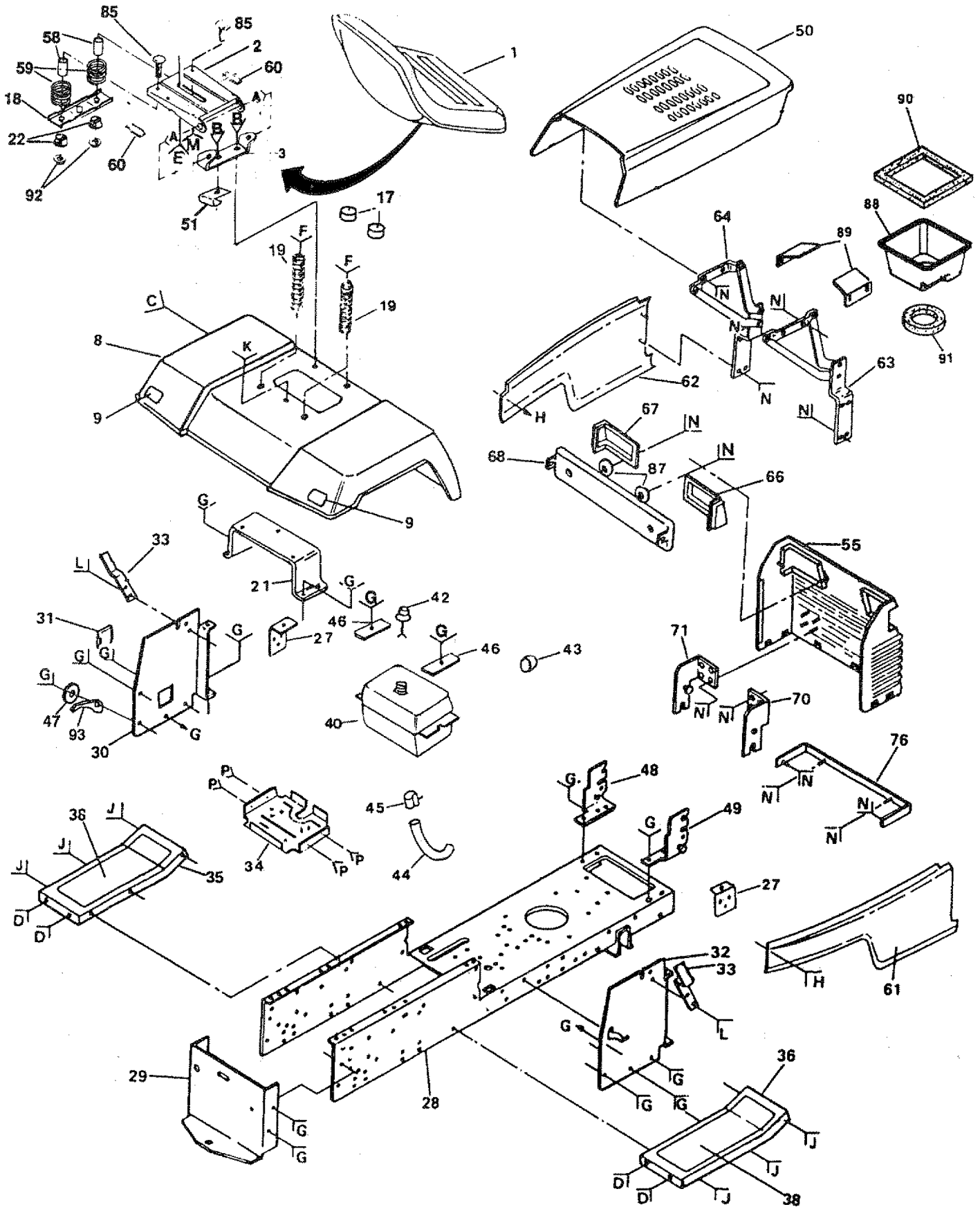
* STANDARD HARDWARE - PURCHASE LOCALLY



REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

CHASSIS AND ENCLOSURES



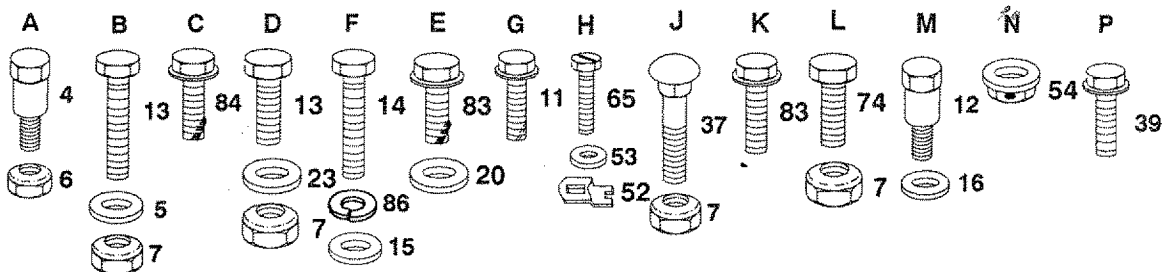
REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	127438X	Seat	47	120529X	Washer
2	124294X	Pan, Seat	48	109015X	Bracket, Pivot, LH
3	126656X	Bracket, Pivot, Seat	49	109016X	Bracket, Pivot, RH
4	105529X	Bolt, Shoulder 5/16-18	50	106013X	Hood
5	19131210	Washer 13/32 x 3/4 x 10 Ga.	51	2751R	Clip, Insulated
6	73680500	Locknut 5/16-18	52	108402X	U-Clip
7	73680600	Locknut 3/8-16	53	106910X	Washer
8	109872X	Fender	54	108067X	Pal Nut
9	106202X	Reflector, Rear	55	105528X	Grill
11	17490612	Screw, Hex Wsh. Thdrol. 3/8 - 16 x 3/4	58	121249X	Spacer, Split
12	121144X	Bolt, Shoulder 5/16-18	59	121250X	Spring, Compression
13	STD523707	* Bolt, Hex 3/8 -16 x 3/4	60	121251X	Strip, Foam
14	74780816	Bolt, Hex 1/2 -13 x 1	61	108403X	Panel, Side, RH
15	19171912	Washer 17/32 x 13/16 x 12 Ga.	62	108410X	Panel, Side, LH
16	19152405	Washer 15/32 x 1 x 16 Ga.	63	106091X	Hinge, RH
17	124238X	Cap, Spring	64	106090X	Hinge, LH
18	121246X	Bracket, Switch	65	106909X	Screw, Special
19	124181X	Spring, Compression, RH	66	106003X	Lens, RH
20	19131614	Washer 13/32 x 1 x 14 Ga.	67	106004X	Lens, LH
21	109873X	Bracket, Fender	68	110897X	Bezel
22	121248X	Bushing, Snap	70	108512X	Bracket, Pivot, RH
23	19131312	Washer 13/32 x 13/16 x 12 Ga.	71	108513X	Bracket, Pivot, LH
24	17490612	Screw, Hex Washer Head 3/8-16 x 3/4	74	STD523710	* Bolt, Hex 3/8-16 x 1
27	128229	Bracket, Fuel Tank	76	110350X	Strap Assembly, Grill
28	127165X	Assembly, Chassis	83	17490616	Screw, Hex Wsh. Thdrol. 3/8-16 x 1
29	121306X	Drawbar	84	17490608	Screw, Hex. Wsh. Thdrol. 3/ -16 x 1/2
30	124118X	Panel, Dash, LH	85	72170410	Bolt, Carriage 1/4 - 20 x 1-1/4
31	121794X	Cover, Access	86	STD551150	* Washer, Lock 1/2
32	105522X	Panel, Dash, RH	87	19091216	Washer 9/32 x 3/4 x 16 Ga.
33	105525X	Bracket, Support, Dash	88	120459X	Duct, Air Intake
34	108171X	Support, Battery	89	120511X	Bracket, Air Duct Mounting
35	105465X	Footrest, LH	90	120537X	Strip, Foam
36	105464X	Footrest, RH	91	120536X	Strip, Foam
37	STD533707	* Bolt, Carriage 3/8-16 x 3/4	92	123976X	Nut, Hex Flange 1/4-20
38	105466X	Pad, Footrest	93	124763X	Pointer, Height Indicator
39	17490512	Screw, Hex Wsh. Thdrol. 5/16-18 x 3/4	--	105801X	Decal
40	109202X	Tank, Fuel	--	108428X	Decal
42	123549X	Assembly, Cap, Fuel	--	105806X	Decal, Grill
43	9151R	Grommet	--	105568X	Decal, Stripe
44	8544R	Fuel Line	--	4900J	Decal, Clutch/Brake
45	123487X	Clamp, Hose	--	109199X	Decal, Drive Belt
46	128230	Clamp, Fuel Tank	--	106813X	Decal, Stripe, Side Panel, LH
			--	106814X	Decal, Stripe, Side Panel, RH
			--	106794X	Decal, Caution

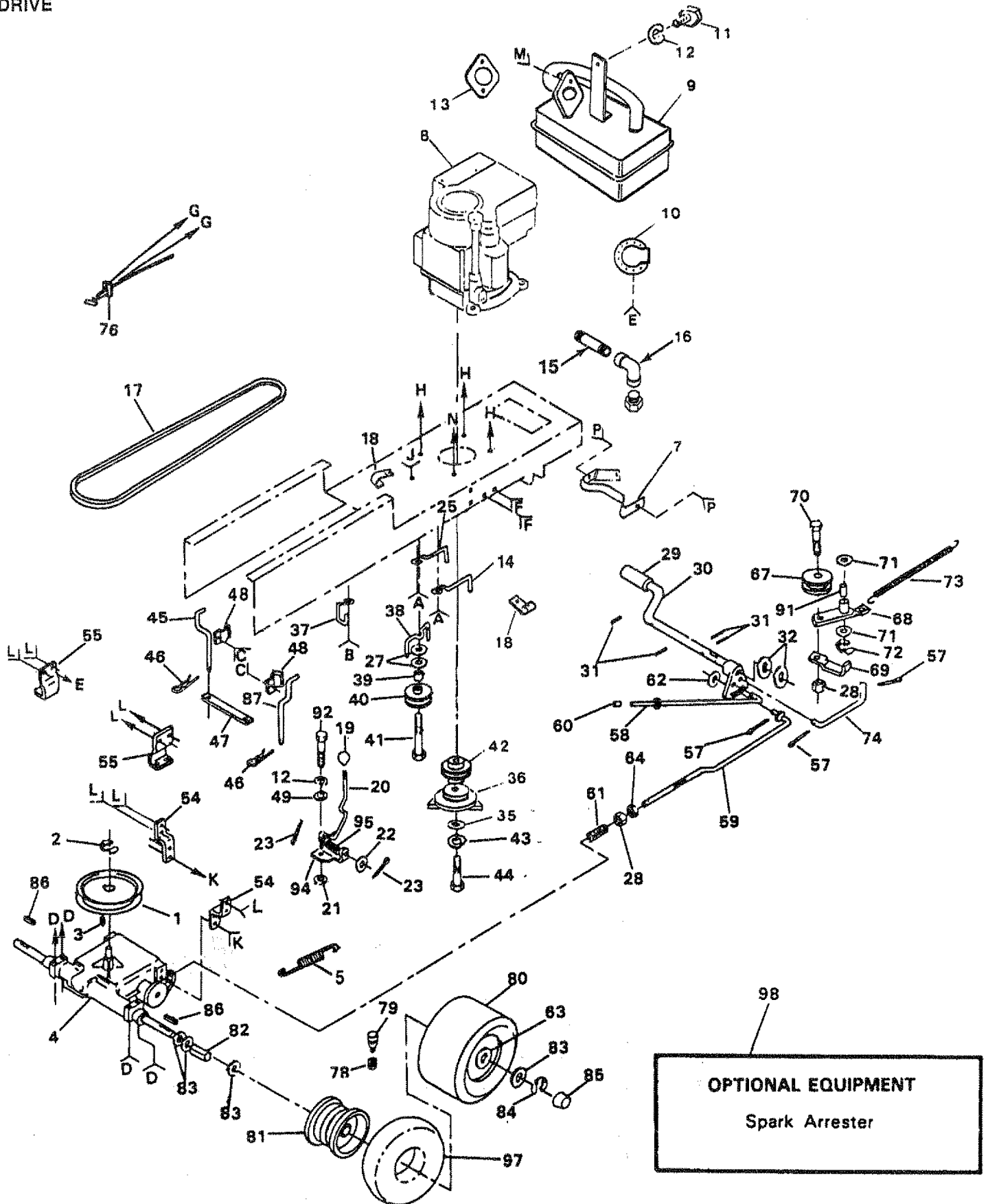
* STANDARD HARDWARE - - PURCHASE LOCALLY



REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

DRIVE



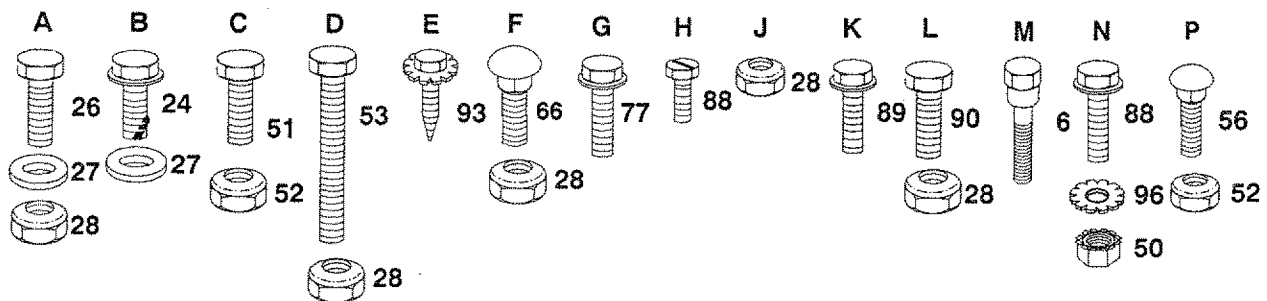
REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

DRIVE

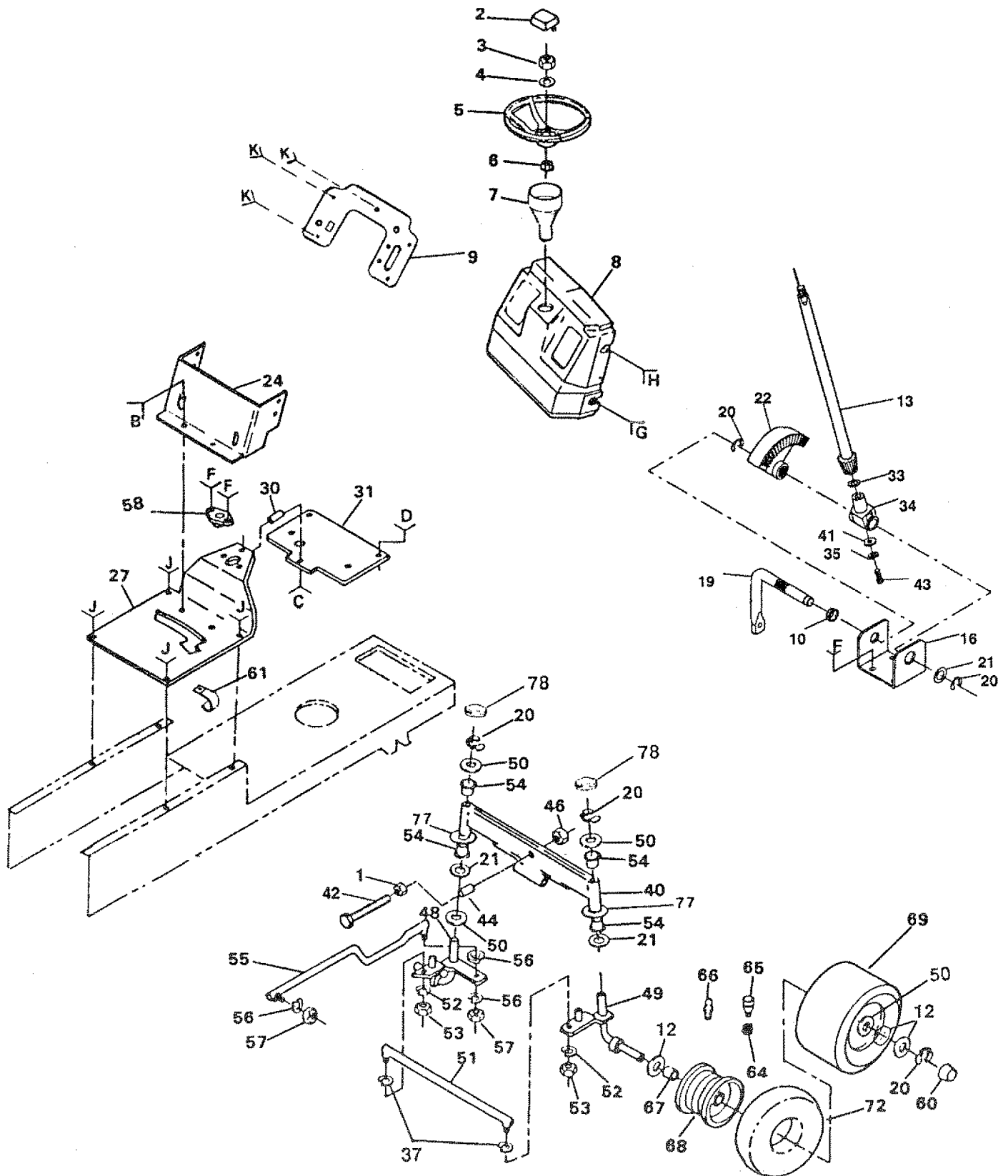
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	123666X	Pulley, Transaxle (Driven)	49	19091210	Washer 9/32 x 3/4 x 10 Ga.
2	12000028	Ring, Retainer	50	73510600	Nut, Keps 3/8-16
3	STD580025	*Key, Woodruff No. 9	51	STD523107	*Bolt, Hex 5/16-18 x 3/4
4	120898X	Transaxle, 6 Speed, Foote Model No. 4360-7	52	73680500	Nut, Lock 5/16-18
5	110422X	Spring, Brake	53	STD523727	*Bolt, Hex 3/8-16 x 2-3/4
6	71070510	Screw, Hex Hd. Cap 5/16-18 x 5/8	54	121520X	Strap, Torque
7	109169X	Retainer Assembly, Clutch	55	109167X	Bracket, Transaxle
8	127734	Engine Briggs & Stratton, Model No. 286707, Type No. 0417-01	56	STD533107	*Bolt, Carriage 5/16-18 x 3/4
9	120330X	Muffler	57	76020412	Pin, Cotter 1/8 x 3/4
10	101326L	Deflector, Muffler	58	125637X	Rod, Brake, Park
11	STD522507	*Bolt, Hex 1/4- 20 x 3/4	59	110437X	Rod, Brake
12	STD551125	*Washer, Lock 1/4	60	71673	Cap
13	2949R	Gasket	61	106888X	Spring, Rod, Brake
14	121218X	Keeper, Belt, Engine	62	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
15	13200300	Nipple, Pipe	63	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
16	13280324	Elbow, Std.	64	STD541237	*Nut, Hex Jam 3/8 -16
17	125907X	V-Belt, Drive	66	STD533707	Bolt, Carriage 3/8-16 x 3/4
18	2751R	Clip	67	106298X	Pulley, Idler
19	106933X	Knob	68	125829X	Bellcrank Assembly (Incl. Key # 91)
20	124461X	Rod, Shifter	69	123205X	Retainer, Belt
21	105701X	Washer, Shift Plate	70	STD523715	*Bolt, Hex 3/8 - 16 x 1-1/2
22	19151216	Washer 15/32 x 3/4 x 16 Ga.	71	110812X	Washer, Hardened
23	STD561210	*Pin, Cotter 1/8 x 1	72	12000039	Ring, Klip
24	17490612	Screw, Hex Wsh. Thdrol. 3/ -16 x 3/4	73	105709X	Spring, Return, Clutch
25	105730X	Keeper, Belt, Engine	74	105710X	Link, Clutch
26	STD523710	*Bolt, Hex 3/8-16 x 1	76	128311	Control, Throttle, Choke
27	19131312	Washer 13/32 x 13/16 x 12 Ga.	77	17720410	Screw, Hex Thd. Cut 1/4-20 x 1/2
28	73680600	Locknut 3/8-16	78	59192	Cap, Valve
29	8883R	Cover, Pedal	79	65139	Stem, Valve
30	122424X	Shaft, Foot Pedal	80	106268X	Tire, Rear
31	STD571810	*Pin, Roll 3/16 x 1	81	106108X	Rim
32	19211616	Washer 25/32 x 1-1/4 x 16 Ga.	82	109502X	Spacer, Split
35	126197X	Washer 15/32 x 1-1/2 x 7/32	83	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
36	108218X	Clutch, Electric	84	12000001	E-Ring
37	104777X	Guide, Belt	85	104757X	Cap, Axle, Rear
38	109070X	Keeper, Belt	86	STD580105	*Key, Square 3/16 x 2
39	4470J	Spacer	87	123663X	Keeper, Belt, RH
40	4859J	Idler, Flat	88	17490624	Bolt, Hex Wsh. Thdrol. 3/8-18 x 3/4
41	STD523727	*Bolt, Hex 3/8-16 x 2-3/4	89	17490512	Screw, Hex Wsh. Thdrol.
42	109841X	Pulley, Engine	90	STD523707	*Bolt, Hex 3/ -16 x 3/4
43	10040700	Washer, Lock 7/16	91	105706X	Bearing
44	74610764	Bolt, Hex 7/1-20 x 4	92	71040412	Bolt, Hex 1/4 - 28 x 3/4
45	123662X	Keeper, Belt, LH	93	17030808	Screw, Spiderlock # 8 x 1/2
46	4921H	Spring, Retainer	94	106919X	Plate, Rod, Shift
47	123770X	Strap, Locator	95	105700X	Spring, Torsion
48	106190X	Clamp	96	11050600	Washer, Lock Ext. Tooth 3/8
			97	7152J	Tube (not furnished with tractor)
			98	121851	Spark Arrester

* STANDARD HARDWARE - PURCHASE LOCALLY



REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780 STEERING ASSEMBLY



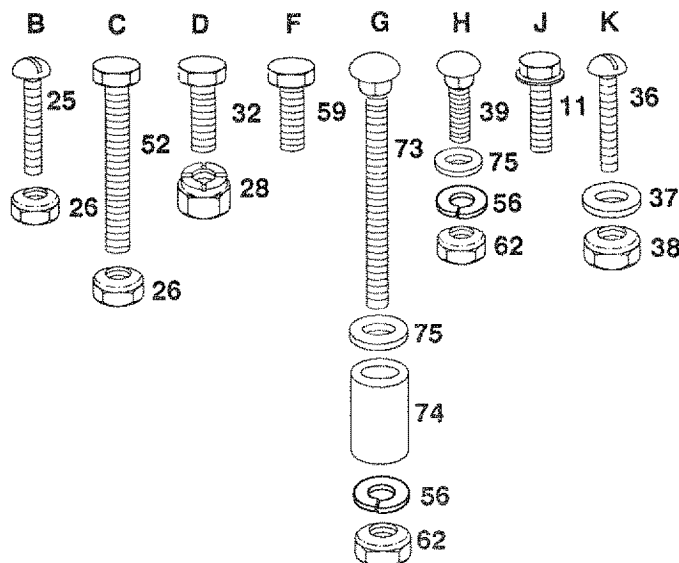
REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

STEERING ASSEMBLY

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	19212010	Washer	43	71070410	Screw, Socket, Hex 1/4- 20 x 5/8
2	100710L	Insert, Steering Wheel	44	110438X	Spacer, Bearing
3	73940800	Nut, Hex Jam Toplock 1/2-20	46	73901000	Locknut, Flange 5/8-11
4	100712K	Washer	48	105656X	Spindle, LH
5	121021X	Wheel, Steering	49	105654X	Spindle, RH
6	100711L	Adapter, Steering Wheel	50	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
7	110709X	Column, Steering	51	121334X	Rod, Tie
8	120028X	Dash	52	STD551131	* Washer, Lock 5/16
9	121036X012	Plate, Dash	53	73810500	Nut, Hex 5/16 -24
10	109816X	Nyliner, Snap-in	54	3366R	Bearing
11	17490608	Screw, Hex Wsh. Thdrol. 3/8 -16 x 1/2	55	124032X	Link, Drag
12	121749X	Washer 25/32 x 1-1/4 x 16 Ga.	56	STD551137	* Washer, Lock 3/8
13	128755	Shaft and Gear, Steering	57	STD541137	* Nut, Hex 3/8 -24
16	124036X	Bracket, Steering	58	1554J	Bushing, Steering
19	124033X	Rod, Steering	59	17431008	Screw, Hex # 10 - 16 x 1/2
20	12000029	Ring, Klip	60	104757X	Cap, Axle, Front
21	6266H	Bearing, Thrust	61	2751R	Clip, Fuel Line
22	124034X	Gear, Sector	62	STD541037	* Nut, Hex 3/8 -16
24	105518X	Dash, Lower	64	59192	Cap, Valve
25	74180512	Screw, Truss Hd. 5/1 -18 x 3/4	65	65139	Stem, Valve
26	73510500	Nut, Keps 5/18 -18	66	278H	Fitting, Grease
27	124649X011	Saddle	67	9040H	Bearing
28	73680600	Locknut 3/8 -16	68	106732X	Rim
29	STD523120	* Bolt, Hex 5/16 - 18 x 2	69	106222X	Tire, Front
30	121236X	Spacer	72	59904	Tube, Tire, Front
31	128231	Support Plate, Battery	73	72110622	Bolt, Carriage Hex 3/8 - 16 x 2-3/4
32	STD523707	* Bolt, Hex 3/8 -16 x 3/4	74	121235X	Spacer
33	57079	Washer	75	19131416	Washer 13/32 x 7/8 x 16 Ga.
34	124035X	Support, Shaft	77	19272016	Washer 27/32 x 1-1/4 x 16 Ga.
35	126684X	Washer, Shim 1/4 x 5/8 x .062	78	121232X	Cap, Spindle
36	STD512507	* Screw 1/4 20 x 3/4	--	108456X	Decal, Operating, Instructions
37	19111216	Washer 11/32 x 3/4 x 16 Ga.	--	126746X	Decal, Cap, Steering Wheel
38	73510400	Nut 1/4 -20			
39	72110608	Bolt, Carriage 3/8 -16 x 1			
40	105669X	Axle, Front			
41	10040400	Washer, Lock 1/4			
42	74761060	Bolt, Hex 5/8 - 11 x 3-3/4			

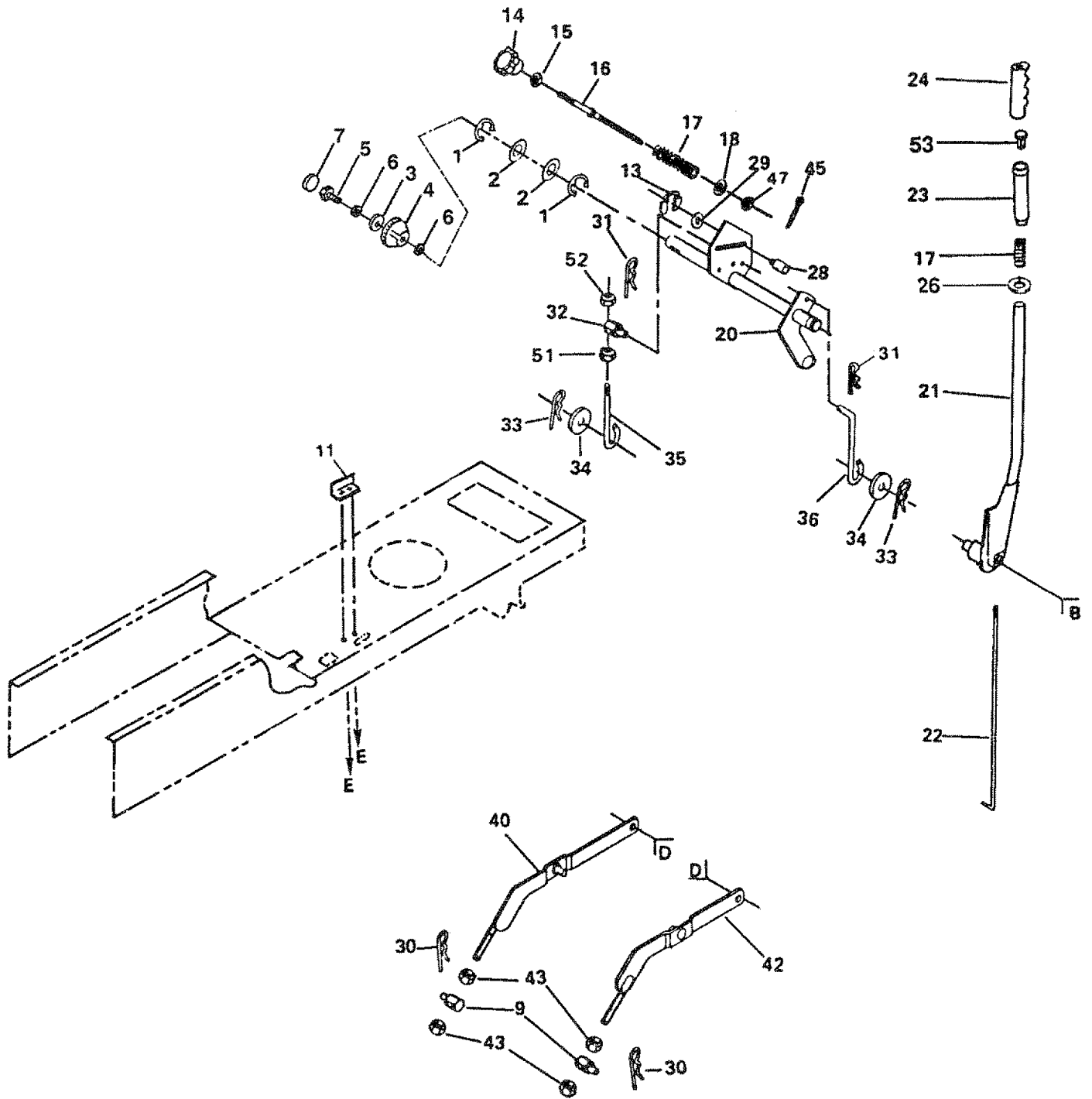
* STANDARD HARDWARE - PURCHASE LOCALLY



REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

LIFT ADJUSTMENT



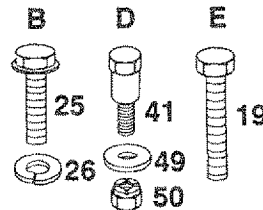
REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

LIFT ADJUSTMENT

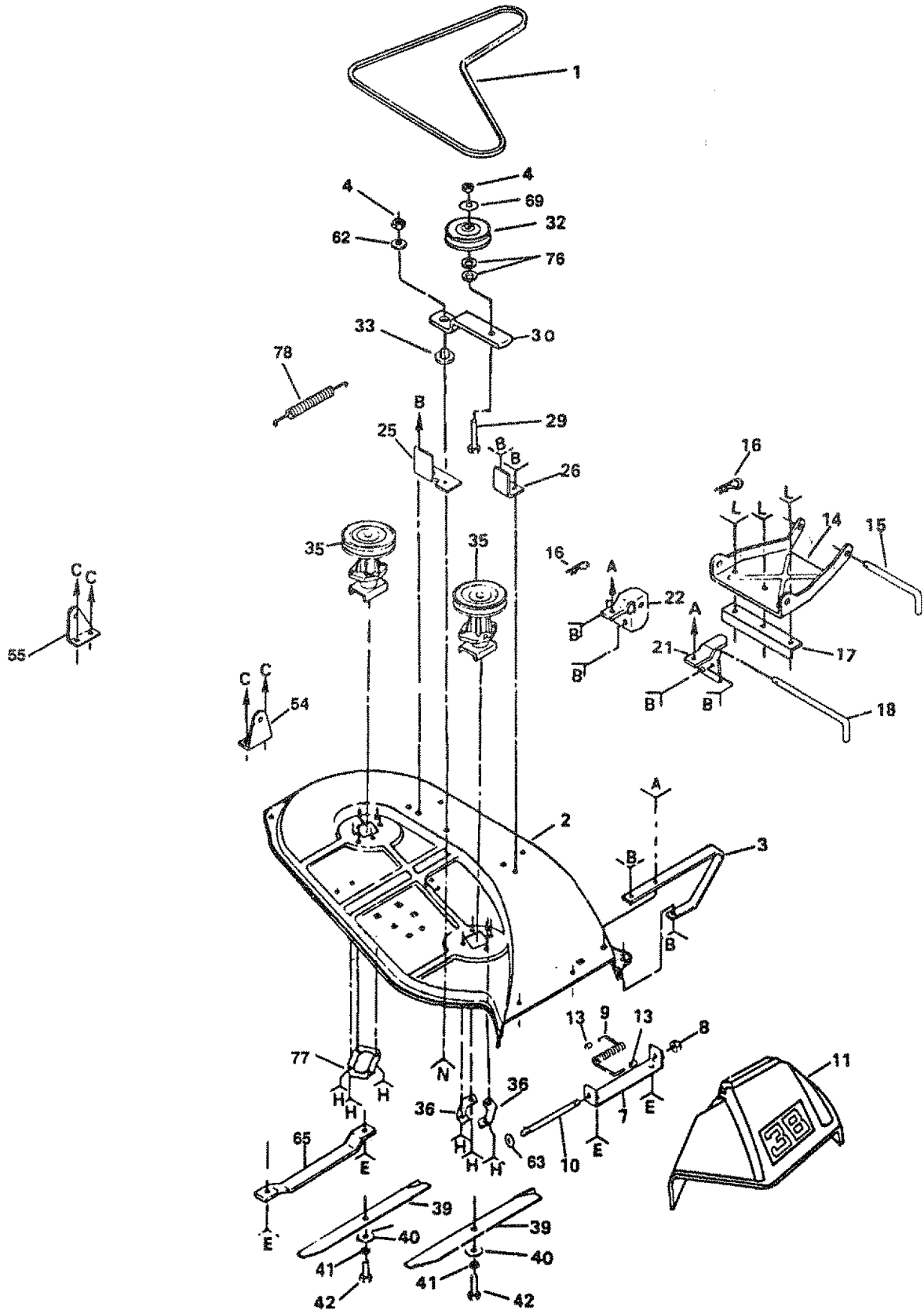
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	12000022	E-Ring	26	STD551137	* Lockwasher 3/8
2	19292016	Washer 29/32 x 1-1/4 x 16 Ga.	28	110810X	Trunnion, Depth Stop
3	10040500	Washer	29	19151216	Washer 15/32 x 3/4 x 16 Ga.
4	123934X	Scale, Height Indicator	30	9135R	Spring, Retainer
5	74780516	Bolt, Hex Fin 5/16-18 UNC x 1	31	4939M	Spring, Retainer
6	19112410	Washer, Lock, Hvy. Helical Spring	32	110447X	Trunnion, Lift
7	123935X	Hole, Plug	33	4921H	Spring, Retainer
9	106308X	Trunnion, Lift, Lower	34	19171516	Washer 17/32 x 15/16 x 16 Ga.
11	108236X	Bracket, Switch	35	110448X	Link, Lift Adjust
13	12000037	Ring, Klip	36	110029X	Link, Lift
14	100734K	Knob, Depth Adjustment	40	121599X	Arm, Suspension, LH
15	STD541237	* Nut, Jam 3/8-16	41	105848X	Bolt, Shoulder 3/8 -16
16	110729X	Rod, Adjust, Lift	42	121598X	Arm, Suspension, RH
17	2876H	Spring	43	STD541050	* Nut, Hex Fin. 1/2-13
18	19131016	Washer 13/32 x 3/8 x 16 Ga.	45	76020308	Pin, Cotter 3/32 x 1/2
19	17021008	Screw, Hex Hd. Tap. # 10-24 x 1/2	47	110807X	Nut, Special
20	124516X	Shaft, Lift	49	110739X	Washer, Spring
21	121002X	Lever, Lift	50	73980600	Locknut, Flange, 3/8-16
22	121006X	Rod, Lever	51	73360700	Nut, Hex Jam 7/16-20
23	122364X	Plunger, Lever	52	73710700	Nut, Crownlock 7/16-20
24	125631X	Grip, Handle	53	122365X	Button, Plunger
25	STD523715	* Bolt, Hex 3/8-16 x 1-1/2			

*STANDARD HARDWARE - PURCHASE LOCALLY



REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780
MOWER



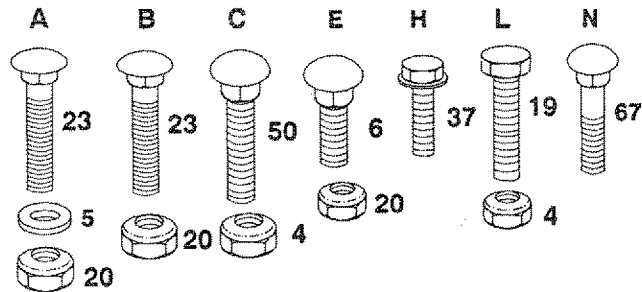
REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

MOWER

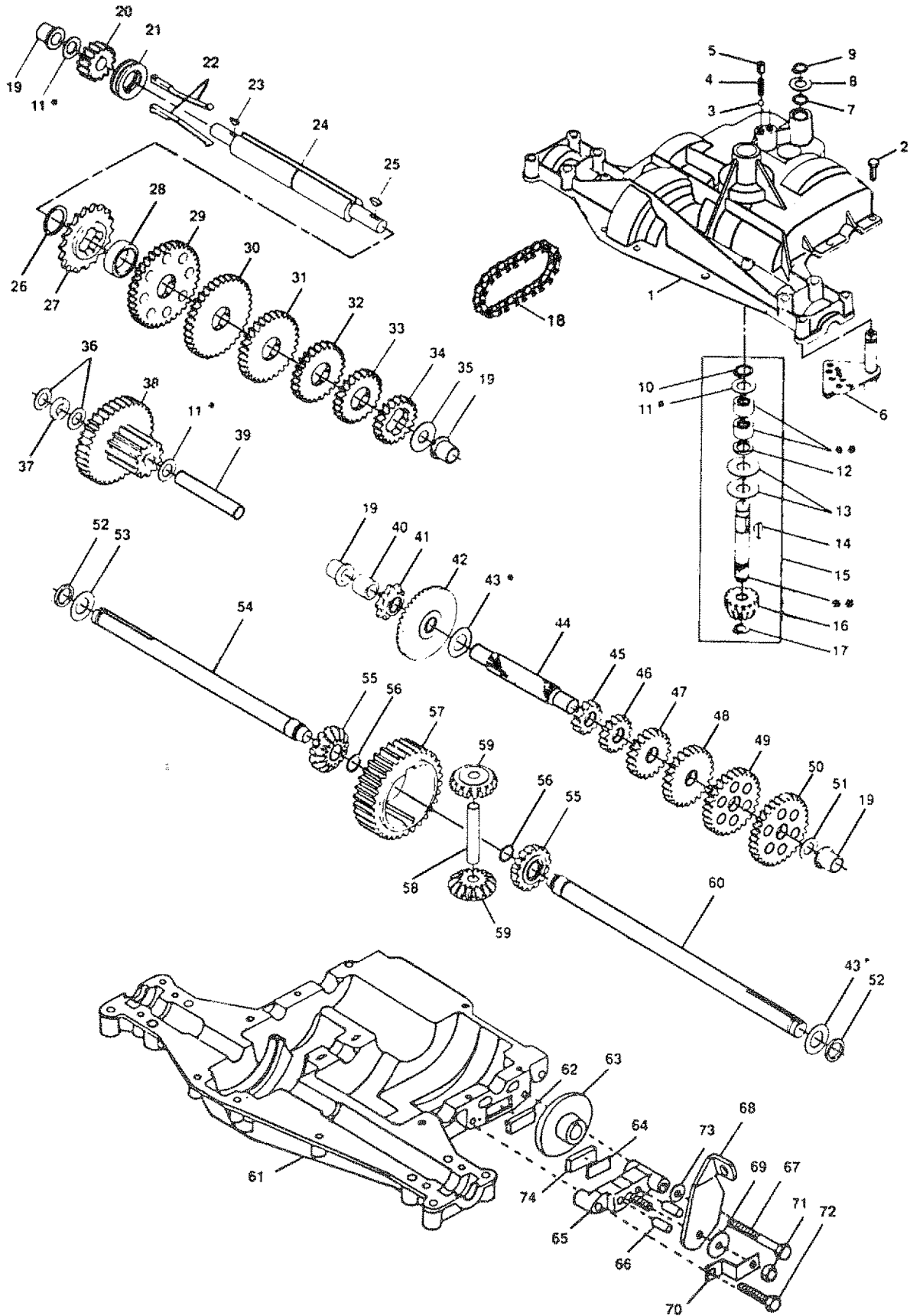
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106085X	V-Belt	32	121316X	Pulley, Idler
2	121458X	Housing	33	106902X	Spacer, Retainer
3	8417J	Runner, RH	35	121687X	Assembly, Mandrel
4	73680600	Locknut 3/8 - 16	36	100668L	Plate, Support, Mandrel
5	19111216	Washer 11/32 x 3/4 x 16 Ga.	37	17490620	Screw, Hex Wsh. Hd. 3/8 - 16 x 3/4
6	72140505	Bolt, Carriage 5/16 - 18 x 5/8	39	121263X	Blade
7	105896X	Bracket, Deflector	40	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
8	110452X	Nut, Push	41	STD551137	* Washer, Lock 3/8
9	106734X	Spring, Deflector	42	STD623715	* Bolt, Hex 3/8 - 24 x 1-1/2 Gr. 5
10	106735X	Rod, Hinge	50	72140606	Bolt, Carriage 3/8 - 16 x 3/4
11	106736X	Deflector, Shield	54	105857X	Bracket, Suspension, Rear, RH
13	105304X	Cap	55	108673X	Bracket, Suspension, Rear, LH
14	105662X	Link, Parallel	62	106513X	Washer, Wear
15	105744X	Pin, Hinge, Front	63	19111016	Washer 13/32 - 1 x 14 Ga.
16	4921H	Spring, Retainer	65	7631J	Runner, LH
17	105872X	Stop, Link	67	72140610	Bolt, Carriage 3/8 - 16 x 1-1/4
18	109835X	Pin, Hinge, Rear	69	STD551037	* Washer 13/32 x 13/16 x 16 Ga.
19	STD523707	* Bolt 3/8 - 16 x 3/4	76	19131210	Washer 13/32 x 3/4 x 10 Ga.
20	73680500	Locknut 5/16 - 18	77	110445X	Support, Mandrel, LH
21	109598X	Bracket, Lift, RH	78	102727X	Spring, Extension
22	109597X	Bracket, Lift, LH	--	108682X	Decal, V-Belt
23	STD533107	* Bolt, Carriage 5/16 - 18 x 3/4	--	3713J	Decal, Instruction, Caution
25	109503X	Support, Arm	--	121343X	Decal, Danger Warning
26	109504X	Stop, Deck, Front	--	-----	Decal, Safety Standard (not serviced)
29	STD523722	* Bolt 3/8 - 16 x 2-1/4			
30	127162X	Arm, Idler			

* STANDARD HARDWARE - PURCHASE LOCALLY



REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780 TRANSAXLE FOOTE - - MODEL NUMBER 4360-7



REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780

TRANSAXLE FOOTE - - MODEL NUMBER 4360-7

TRANSAXLE

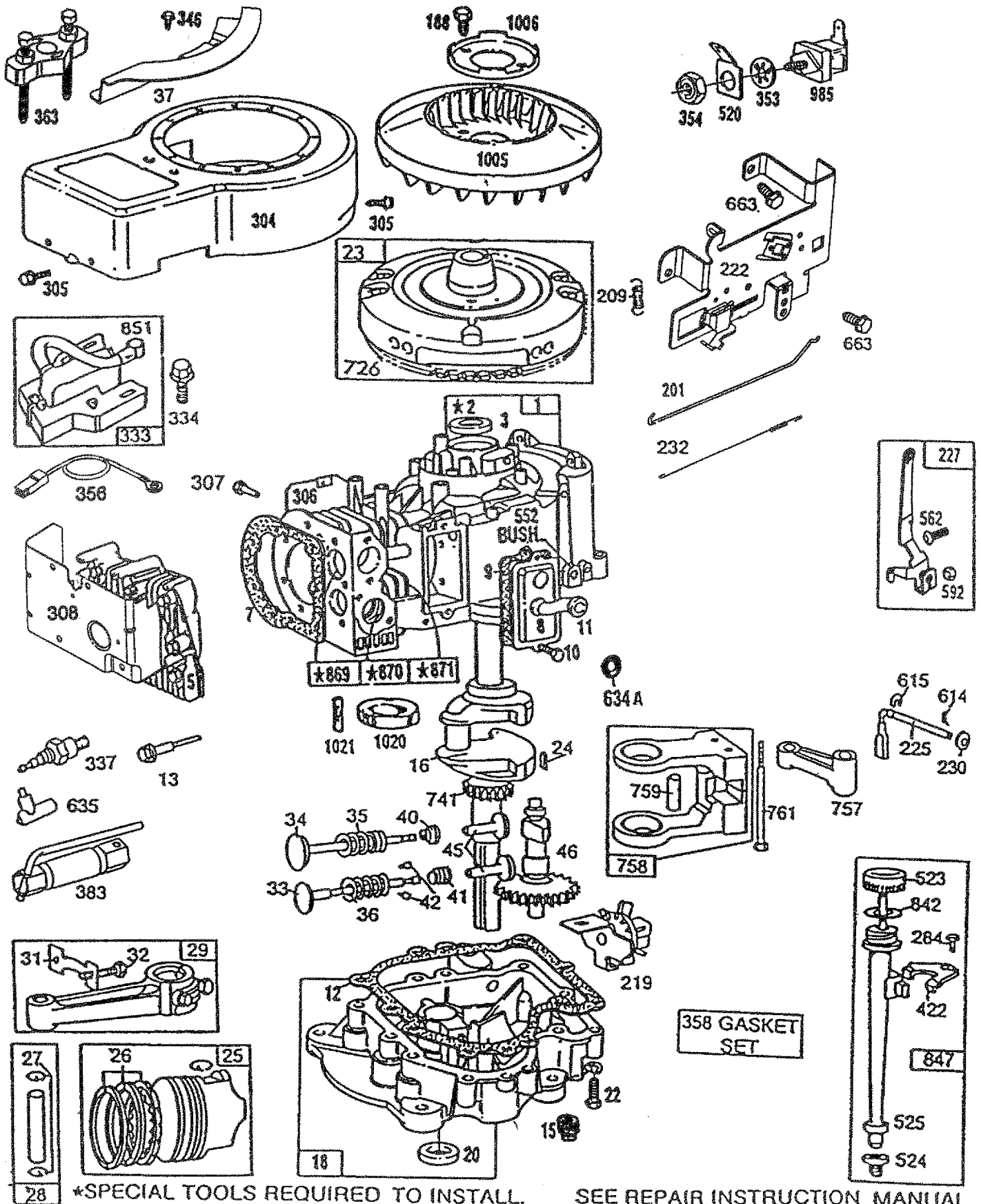
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	120458X	Housing, Upper	39	120471X	Shaft, Idler
2	2274J	Screw, Tapping, 1/4-20 x .734 Lg.	40	120472X	Spacer, .635 x .875 x .755
3	68003	Ball, Detent	41	105928X	Sprocket, 9T.
4	105904X	Spring, Detent	42	110084X	Gear, Bevel, 42T.
5	105905X	Screw, Set	43	108983X	*Washer, Plain, .758 x 1.12 x .010
6	120460X	Ass'y., Shifter	43	105930X	*Washer, Plain, .758 x 1.12 x .015
7	120461X	O-Ring	43	105931X	*Washer, Plain, .758 x 1.12 x .020
8	120462X	*Washer, Plain, .505 x .942 x .006	43	105932X	*Washer, Plain, .758 x 1.12 x .025
8	120463X	*Washer, Plain, .505 x .942 x .010	43	3417J	*Washer, Plain, .758 x 1.25 x .020
8	120464X	*Washer, Plain, .505 x .942 x .015	43	106097X	*Washer, Plain, .758 x 1.25 x .025
8	120465X	*Washer, Plain, .505 x .942 x .020	43	2264J	*Washer, Plain, .758 x 1.25 x .031
8	120466X	*Washer, Plain, .505 x .942 x .026	43	106098X	*Washer, Plain, .758 x 1.25 x .035
8	83818	*Washer, Plain, .505 x .942 x .030	43	2265J	*Washer, Plain, .758 x 1.25 x .040
8	120467X	*Washer, Plain, .505 x .942 x .040	43	106586X	*Washer, Plain, .758 x 1.25 x .045
9	2286J	Ring, Retaining	43	106587X	*Washer, Plain, .758 x 1.25 x .050
10	2267J	Ring, Retaining	43	106588X	*Washer, Plain, .758 x 1.25 x .055
11	3413J	*Washer, Plain, .632 x 1.00 x .010	43	2263J	*Washer, Plain, .758 x 1.25 x .062
11	2233J	*Washer, Plain, .632 x 1.00 x .020	44	120473X	Shaft, Drive
11	2232J	*Washer, Plain, .632 x 1.00 x .026	45	105933X	Gear, Spur, 12T.
11	2231J	*Washer, Plain, .632 x 1.00 x .031	46	106151X	Gear, Spur, 15T.
11	2230J	*Washer, Plain, .632 x 1.00 x .036	47	120407X	Gear, Spur, 20T.
11	2229J	*Washer, Plain, .632 x 1.00 x .041	48	106589X	Gear, Spur, 25T.
11	2228J	*Washer, Plain, .632 x 1.00 x .046	49	120408X	Gear, Spur, 28T.
11	2227J	*Washer, Plain, .632 x 1.00 x .050	50	105937X	Gear, Spur, 31T.
11	2226J	*Washer, Plain, .632 x 1.00 x .060	51	2226J	Washer, Plain, .632 x 1.00 x .060
11	105906X	*Washer, Plain, .632 x 1.00 x .082	52	2272J	Seal, Felt
12	6725J	O-Ring	53	2263J	Washer, Plain, .758 x 1.25 x .062
13	120415X	Washer, Plain, .632 x 1.38 x .046	54	120474X	Axle, L.H.
14	2257J	Key, Woodruff, #9	55	110081X	Gear, Miter, 15T.
15	110077X	Ass'y., Kit, Input Shaft	56	105941X	Ring, Retaining
16	110078X	Pinion, Bevel, 14T.	57	110071X	Gear, Spur, 32T.
17	105909X	Ring, Retaining	58	120952X	Shaft, Cross
18	105910X	Chain, 24 Pitches	59	110082X	Gear, Miter, 15T.
19	105911X	Bearing, Flange	60	120475X	Axle, R.H.
20	108976X	Gear, Spur, 14T.	61	120476X	Housing, Lower
21	105913X	Collar, Clutch	62	120961X	Puck, Friction
22	120468X	Key, Clutch	63	7294J	Disc, Brake
23	2242J	Key, Woodruff	64	108989X	Spacer
24	120469X	Shaft, Intermediate	65	120953X	Jaw, Brake
25	2244J	Key, Woodruff, #61	66	120954X	Pin, Dowel
26	105916X	Ring, Retaining	67	120955X	Screw, Tapping, 5/16-18 x 2.25 Lg.
27	120470X	Sprocket, 18T.	68	108992X	Lever, Actuating
28	110070X	Spacer	69	108996X	Washer, Plain, .321 x 1.00 x .055
29	108977X	Gear, Spur, 37T.	70	120956X	Bracket, Anti-Rotation
30	109254X	Gear, Spur, 35T.	71	73810500	Nut, Lock, 5/16-24
31	120405X	Gear, Spur, 30T.	72	106596X	Screw, Tapping, 5/16-18 x 1.44 Lg.
32	108980X	Gear, Spur, 25T.	73	120993X	Washer, Plain, .343 x .81 x .059
33	120406X	Gear, Spur, 22T.	74	120951X	Puck, Friction
34	108455X	Gear, Spur, 19T.	75	120416X	Grease
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	Ass'y., Gear, Comb., 12T. & 35T.			

*Use in various combinations to maintain proper clearances.

**Order Key No. 15.

REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780
 ENGINE BRIGGS & STRATTON - MODEL NUMBER 286707, TYPE NUMBER 0417-01

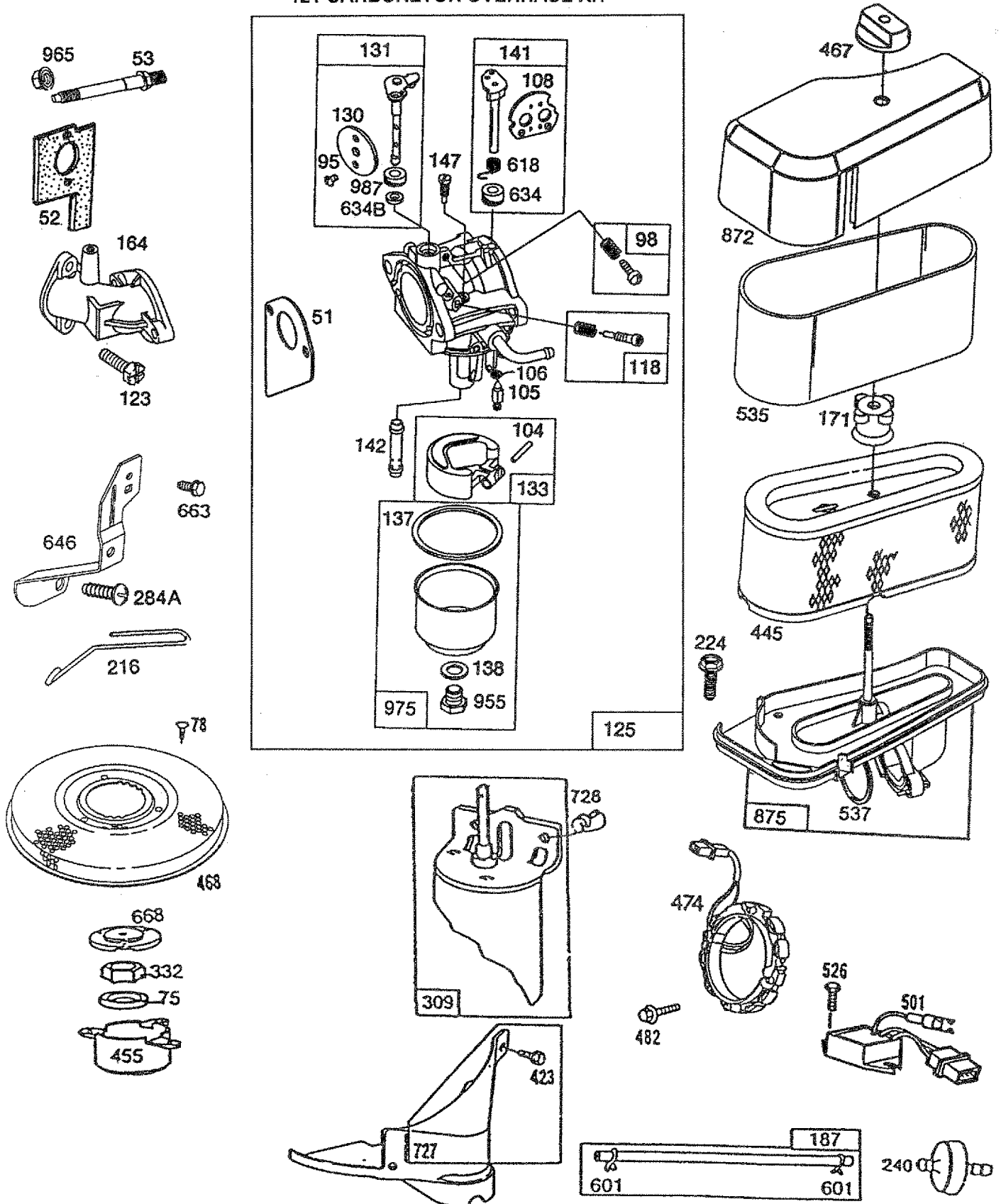


*SPECIAL TOOLS REQUIRED TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.

REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780
ENGINE BRIGGS & STRATTON - MODEL NUMBER 286707, TYPE NUMBER 0417-01

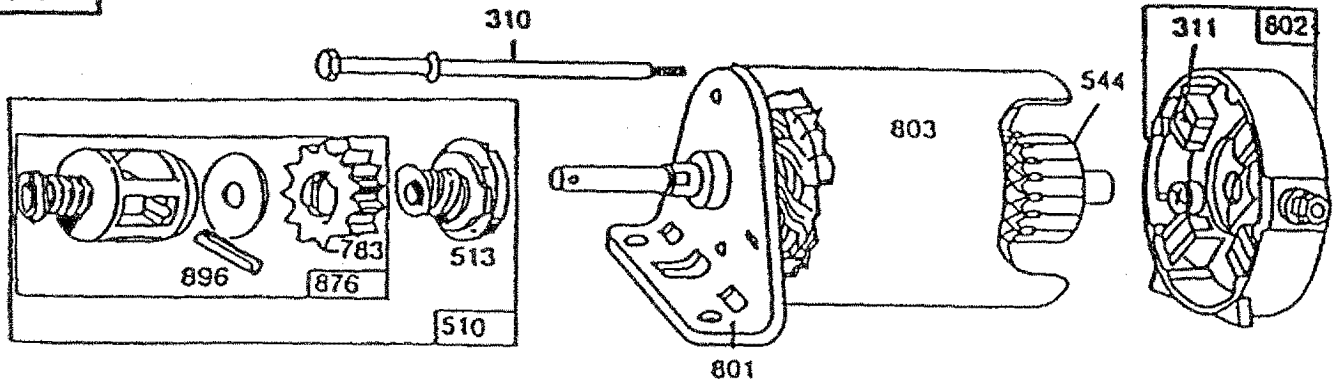
121 CARBURETOR OVERHAUL KIT



REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254780
 ENGINE BRIGGS & STRATTON - MODEL NUMBER 286707, TYPE NUMBER 0417-01

309



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"	494325	94003	395538	490421**	390637	394856	395537*	398159

*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

**12.5 HP 38" RIDING LAWN TRACTOR – MODEL NUMBER 917.254780
ENGINE BRIGGS & STRATTON – MODEL NUMBER 286707, TYPE NUMBER 0417-01**

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	490450	Cylinder Assembly	29	490348	Rod Assembly–Connecting			Note: 494386 High Altitude Kit
2	261623	Bearing–Cylinder			Note: For Connecting Rod with .020" Undersize Crankpin Bore–Order No. 490469.			Includes: 231796 Pilot Jet (High Altitude) 281164 Seal–Bowl Screw
		Note: Requires Special Tools For Installation.	31	222299	Lock–Connecting Rod Screw	147	•231794	Pilot–Jet
3	*391086	Seal–Oil	32	92909	Screw–Connecting Rod	164	213811	Carburetor–Elbow
5	494240	Head–Cylinder	33	262246	Valve–Exhaust	171	281051	Nut–Air Cleaner Mtg.
7	*271866	Gasket–Cylinder Head	34	262247	Valve–Intake	187	393815	Line–Fuel
8	391406	Breather Assembly	35	65906	Spring–Intake Valve	188	93535	Screw–Sem
9	*27803	Gasket–Valve Cover	36	26828	Spring–Exhaust Valve	201	262767	Link–Governor
10	94621	Screw–Sem	37	223752	Guard–Flywheel	209	261306	Spring–Governor
11	280100	Tube–Breather	40	221596	Retainer–Intake Valve	216	262766	Link–Choke
12	*271916	Gasket–Crankcase Cover–1/64" Thick	41	292260	Rotocoil–Exhaust Valve	219	490815	Oil Slinger, Governor Gear and Bracket Assembly
		*271997 Gasket–Crankcase Cover–.005" Thick	42	93630	Retainer–Exhaust Valve Rotocoil			
		*271996 Gasket–Crankcase Cover–.009" Thick	45	262248	Tappet–Valve	222	493896	Plate–Governor Control (Choke–A–Matic)
13	94622	Screw–Cylinder Head	46	212897	Gear–Cam	224	94513	Screw–Air Cleaner Sem
15	94239	Plug–Oil Drain	51	♦♦281170	Gasket–Carburetor (Carb. to Elbow)	225	231058	Crank–Governor
16	490466	Crankshaft	52	*270872	Gasket–Carburetor (Elbow to Cylinder)	227	493935	Lever Assy.–Governor
		Note: Order Part Number 94196 For Timing Gear Key	53	94637	Stud–Carburetor Mounting	230	222450	Washer–Governor Crank
18	494238	Base–Engine	75	224061	Washer–Spring	232	262785	Spring–Governor Link
20	*291675	Seal–Oil	78	93805	Screw–Sem	240	394358	Filter–Fuel
22	94624	Screw–Base Mounting Sem	95	•94098	Screw–Throttle	265	221535	Clamp–Casing
23	492325	Flywheel and Ring Gear Assy.–Magneto	98	494382	Screw–Idle Speed	284	94419	Screw–Clamp Mtg.
24	222698	Key–Flywheel	104	•231789	Pin–Float Hinge	284A	94326	Screw–Air Cleaner
25	394661	Piston Assy.–Standard	105	•231790	Valve Assy.–Inlet Needle	304	494268	Housing–Blower
	394662	Piston Assy.–.010" O.S.	106	281169	Inlet Valve Seat	305	94619	Screw–Blower Housing Mounting Sem
	394663	Piston Assy.–.020" O.S.	108	224540	Valve–Choke	306	223715	Shield–Cylinder
	394664	Piston Assy.–.030" O.S.	118	•494383	Valve–Needle	307	94623	Screw–Cylinder Shield Mtg. Sem
PISTON RING SETS:			121	494384	Carburetor Overhaul Kit	308	491490	Cover–Cylinder Head
		Note: For Chrome Ring Set–Standard Size–Order No. 392331.	123	94616	Screw–Elbow Mtg.	309		Motor–Starting
26	391780	Ring Set–Piston–Std.	125	494392	Carburetor Assembly (Choke–A–Matic)			See Chart on Illustrated Pages for Replacement Parts for Starting Motors.
	391781	Ring Set–Piston–.010" O.S.	130	224539	Valve–Throttle	332	92284	Nut–Hex.
	391782	Ring Set–Piston–.020" O.S.	131	494379	Shaft and Lever–Throttle	333	492341	Armature–Magneto Magneto
	391783	Ring Set–Piston–.030" O.S.	133	494381	Float–Carburetor	334	93381	Screw–Armature Mounting Sem
27	260924	Lock–Piston Pin	137	♦♦281165	Gasket–Float Bowl	337	802592	Plug–Spark
28	299691	Pin Assembly–Piston–Standard	138	♦♦281164	Washer–Float Bowl Screw	346	93705	Screw–Hex Head
	391286	Pin Assembly–Piston–.005" O.S.	141	•494380	Shaft and Lever–Choke			
			142	•231793	Nozzle / Jet–Carburetor			

* Included in Gasket Set–Part No. 494241.

♦ Included in Carburetor Overhaul Kit–Part No. 494384.

♦♦ Included in Carburetor Gasket Set–Part No. 494386.

REPAIR PARTS

12.5 HP 38" RIDING LAWN TRACTOR – MODEL NUMBER 917.254780
 ENGINE BRIGGS & STRATTON – MODEL NUMBER 286707, TYPE NUMBER 0417-01

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
353	92791	Washer–Lock– Shakeproof	562	92613	Bolt–Governor Lever	759	298909	Pin–Counterweight
354	90576	Nut–Hex.	592	231082	Nut–Hex., 10–24	761	93875	Screw–Counterweight
356	398808	Wire–Ground	601	93053	Clamp–Fuel Pipe	842	270920	Seal–Oil Filler Cap
358	494241	Gasket Set	614	93306	Cotter–Hair Pin	847	490474	Fill Group–Oil
363	19203	Puller–Flywheel	615	93307	Retainer–E–Ring	851	221798	Terminal–Ignition Cable
383	89838	Wrench–Spark Plug	618	262803	Spring–Choke Return	869	261463	Seat–Intake Valve (Standard)
422	223721	Clamp–Oil Filler Tube	634	•281168	Seal–Choke Shaft	870	210940	Seat–Exhaust Valve (Standard)
423	93984	Screw–Sem	634A	•491323	Seal–Governor	871	261961	Guide–Exhaust Valve
445	493909	Cartridge–Air Cleaner	634B	281167	Washer–Throttle Shaft	872	281104	Cover–Air Cleaner
455	222561	Cup–Screen Mounting	635	66538	Elbow–Spark Plug	875	494237	Body–Air Cleaner
467	493903	Knob–Air Cleaner	646	224486	Brace–Air Cleaner	955	•94642	Screw–Fuel Bowl
468	222562	Screen–Flush Rotating	657	93496	Screw–Sem	965	94108	Locknut–Air Cleaner Mounting
474	393295	Stator–Alternator	663	94620	Screw–Hex. Hd.	975	494378	Bowl Assy.– Carburetor
482	93621	Screw–Sem	668	280848	Spacer	977	494386	Carburetor Gasket Kit
501	394890	Regulator	726	399676	Gear–Ring (Includes Mounting Parts)	985	398525	Insulator Assembly
520	93722	Terminal–Spade	727	490324	Cover–Starter (Includes Mounting Screws)	987	•281166	Seal–Throttle Shaft
523	490327	Cap and Dipstick–Oil Filler	728	93535	Screw–Sem	1005	280687	Fan–Flywheel
524	68838	Seal–Filler Tube	741	262135	Gear–Timing	1006	223726	Retainer–Fan
525	280741	Tube–Oil Filler	757	212359	Link–Counterweight	1020	262243	Eccentric
526	94513	Screw–Regulator	758	399891	Counterweight Assembly	1021	94160	Pin–Eccentric
535	272403	Element–Air Cleaner						
537	•281106	O–Ring–Air Cleaner						
552	231597	Bushing–Governor Crank						

* Included in Gasket Set–
Part No. 494241.

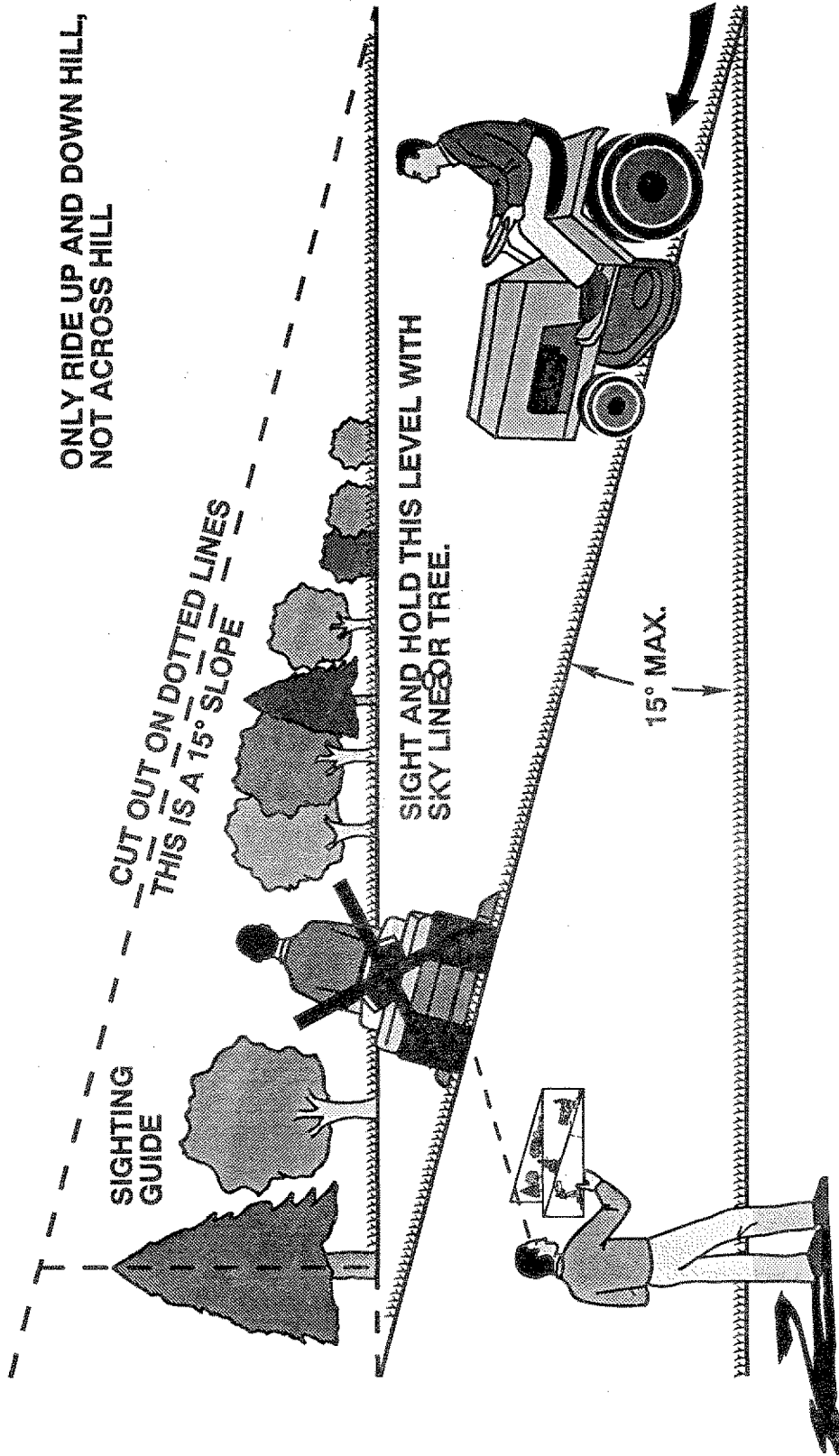
• Included in Carburetor Overhaul Kit–
Part No. 494384.


◆ Included in Carburetor Gasket Set–
Part No. 494386.

SERVICE NOTES

SERVICE NOTES

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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

SEARS
OWNER'S
MANUAL

MODEL NO.
917.254780

**HOW TO ORDER
REPAIR PARTS**

CRAFTSMAN[®]

**12.5 HP IC
ELECTRIC START
38" MOWER DECK
6 SPEED TRANSAXLE
LAWN TRACTOR**

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

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

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

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- **PRODUCT - LAWN TRACTOR**
- **MODEL NUMBER - 917.254780**
- **ENGINE MODEL NUMBER - 286707, TYPE NUMBER 0417-01**
- **PART NUMBER**
- **PART DESCRIPTION**

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

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