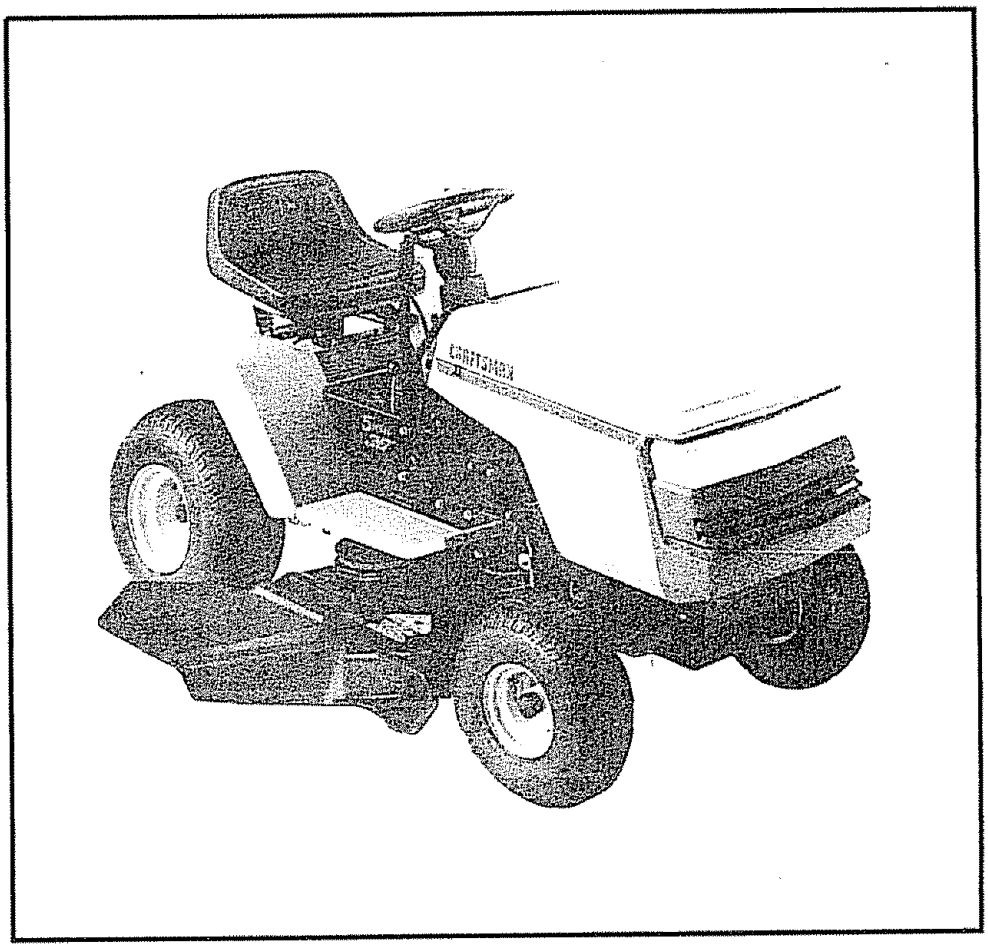
SEARS

OWNER'S MANUAL

MODEL NO. 917.254750

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



CRAFTSMAN®

12.5 HP OHV ELECTRIC START 38" MOWER DECK 5 SPEED TRANSAXLE LAWN TRACTOR

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

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

SAFETY RULES

Safe Operation Practices for Ride-On Mowers

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

I. GENERAL OPERATION

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

II. SLOPE OPERATION

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

DO:

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

DO NOT:

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

III. CHILDREN

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

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and *down* for small children.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SERVICE

- Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.
  - Use only an approved container.
  - Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
  - Never refuel the machine indoors.
  - Never store the machine or fuel container inside where there is an open flame, such as a water heater.
- Never run a machine inside a closed area.
- Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.

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

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

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

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

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

MODEL NUMBER 917.254750

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 tractor.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this manual.

PRODUCT SPECIFICATIONS

HORSEPOWER:	12.5
GASOLINE CAPACITY:	5 QUARTS UNLEADED REGULAR
OIL (3.0 PINT CAPACITY):	SAE 30 (Above 32°F) 5W-30 (Below 32°F)
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 2.00 MPH 3rd 3.00 MPH 4th 4.20 MPH 5th 5.00 MPH REVERSE: 1.50 MPH
TIRE PRESSURE:	FRONT: 14 PSI REAR: 10 PSI
CHARGING SYSTEM:	5 AMPS @ 3600 RPM
BLADE BOLT TORQUE:	30-35 FT. LBS.

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

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

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

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

This Warranty does not cover:

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

LIMITED 90 DAY WARRANTY ON BATTERY

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

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

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

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

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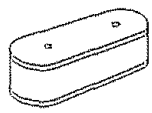
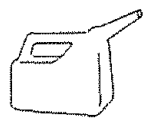
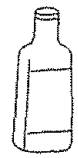
ACCESSORIES AND ATTACHMENTS

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

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

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

LAWN SWEEPERS let you collect grass clippings and leaves.

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

CARTS make hauling easy. Variety of sizes available.

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

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

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

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

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

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

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

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

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

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

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

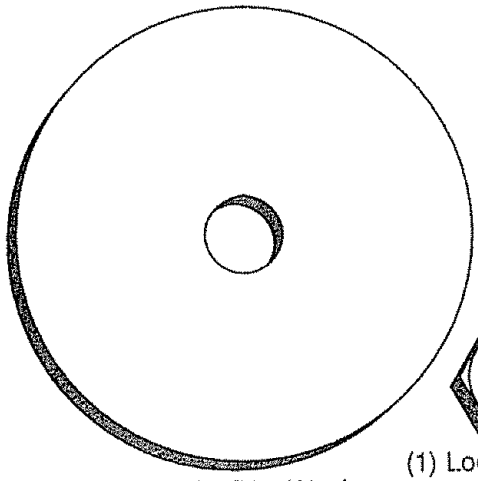
Optional accessories for tractor cab: tinted/tempered solid safety glass windshield with hand operated wiper; 12-volt amber caution light for mounting on cab top. (Catalog only.)

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

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

CONTENTS OF HARDWARE PACK

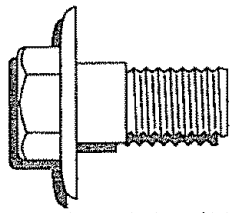
Parts Bag contents shown full size



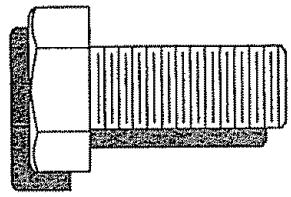
(1) 2-3/8" Dia. Washer

(2) Sheet Metal Screws #10-16 x 1/2

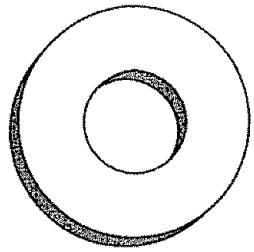
(1) Locknut 3/8-24



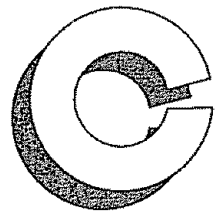
(1) Shoulder Bolt 5/16-18



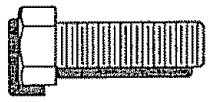
(1) Hex Bolt 1/2-13 x 1



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

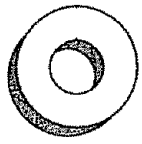


(1) Lock Washer 1/2



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

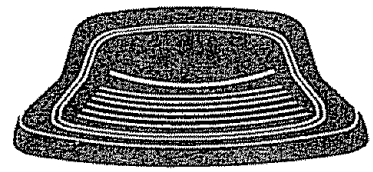
(2) Hex Nuts 1/4-20



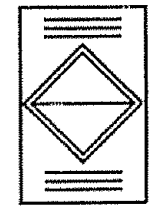
(2) Washers 9/32 x 5/8 x 16 Gauge

(2) Lock Washers 1/4

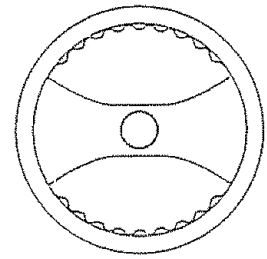
Parts packed separately in carton



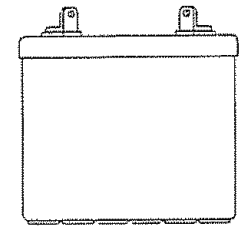
Seat



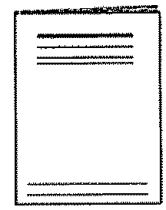
Battery acid



Steering Wheel

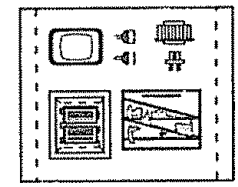


Battery



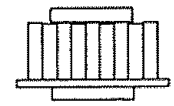
Owner's Manual

Steering Boot

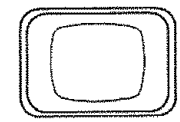


Parts Bag

Parts bag contents not shown full size

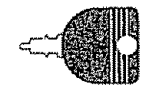


Steering Wheel Adapter

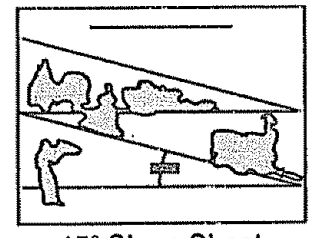


Steering Wheel Insert

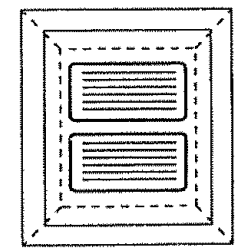
Steering Bushing



(2) Keys



15° Slope Sheet



Battery Caps and Instructions

ASSEMBLY

TOOLS REQUIRED FOR ASSEMBLY

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

(1) 5/16" wrench
(2) 7/16" wrenches
(1) 1/2" wrench
(1) 3/4" wrench
Tire pressure gauge
Screwdriver
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 TRACTOR FROM CARTON

UNPACK CARTON

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

BEFORE ROLLING TRACTOR OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

- Slide the steering bushing over the steering shaft.
- Raise steering shaft forward until screw holes in dash line up with steering bushing. Install two (2) sheet metal screws and tighten securely.
- Position steering boot over steering shaft.
- Place tabs of steering boot over slots in dash and push down to secure.
- Slide steering wheel adapter onto upper steering shaft.
- Position front wheels of the tractor so they are pointing straight forward.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto adapter.
- Assemble large flat washer and 3/8-24 hex locknut and tighten securely.
- Snap insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

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

(See Fig. 6)

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

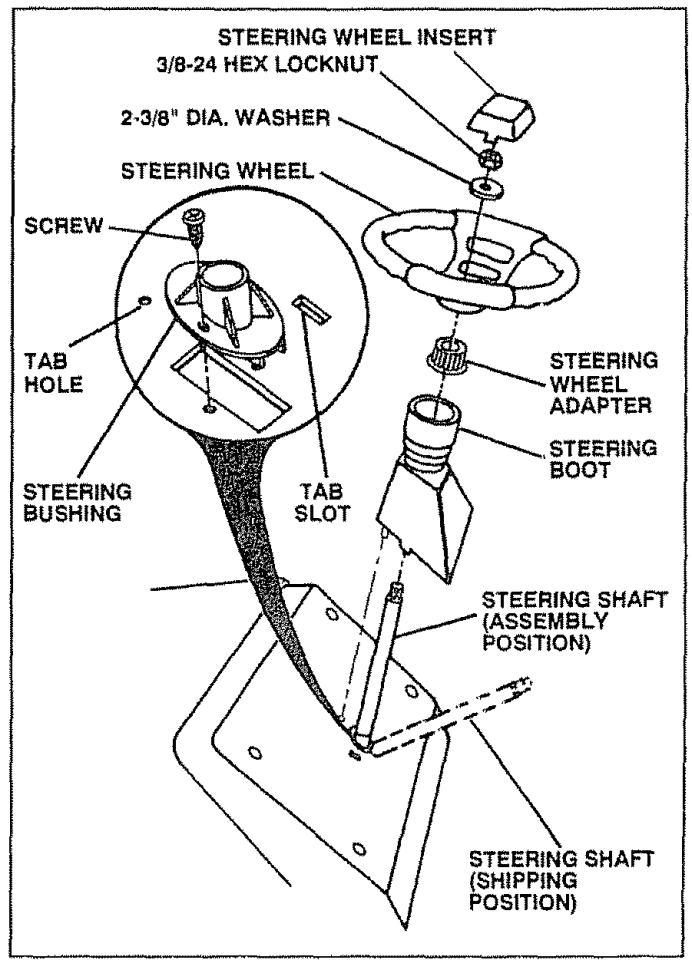


FIG. 1

ASSEMBLY

HOW TO SET UP YOUR TRACTOR

PREPARE BATTERY (See Fig. 2)

CAUTION: Wear eye and face shield.

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

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

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

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

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

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

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

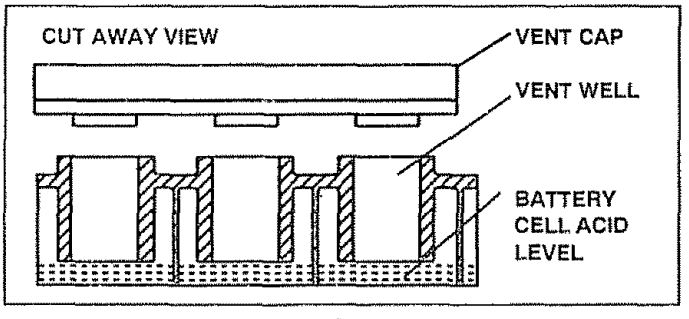


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment bolt.

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

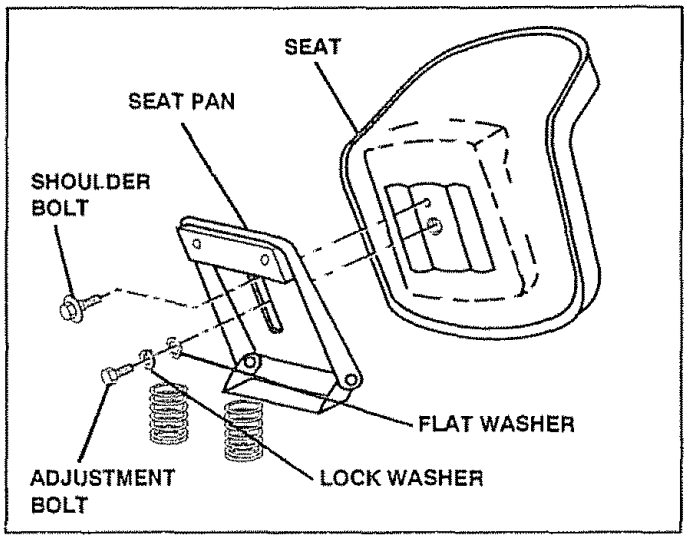


FIG. 3

CHECK TIRE PRESSURE

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

- Reduce tire pressure PSI shown in "PRODUCT SPECIFICATION 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.
- Open battery box door.
- Lower battery into battery box with battery terminals toward front of tractor.
- Be sure battery drain tube is attached to battery box.
- First connect RED battery cable to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Close battery box door.

Open battery box door for:

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

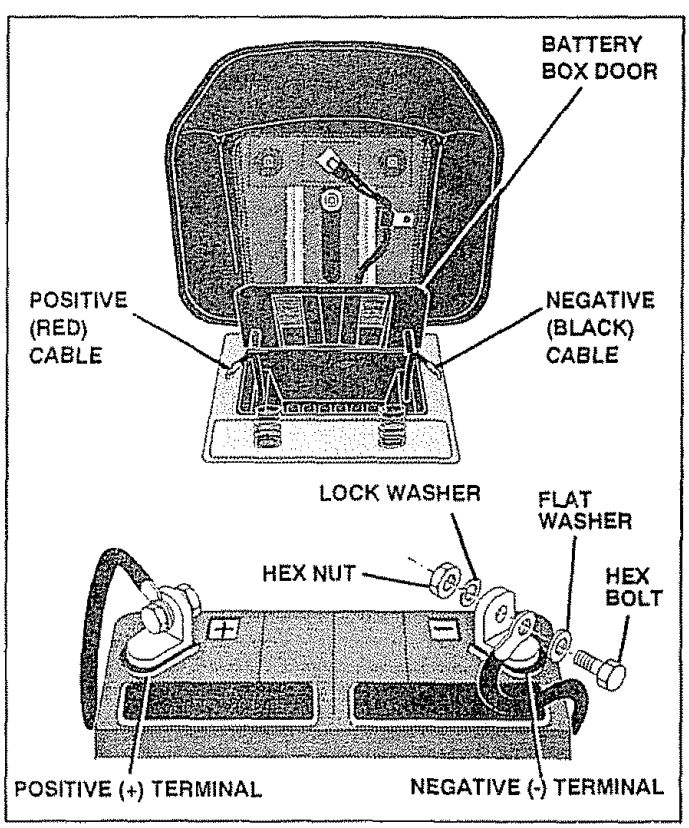


FIG. 4

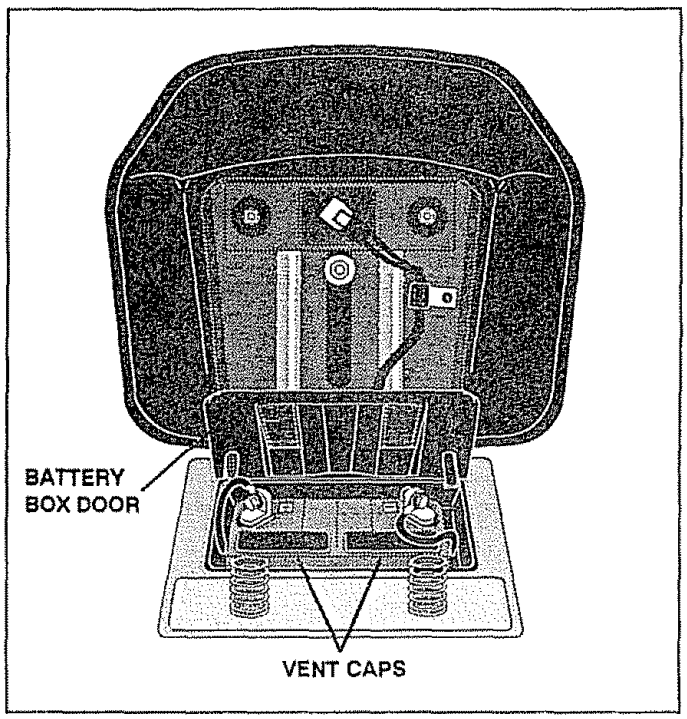


FIG. 5

✓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.

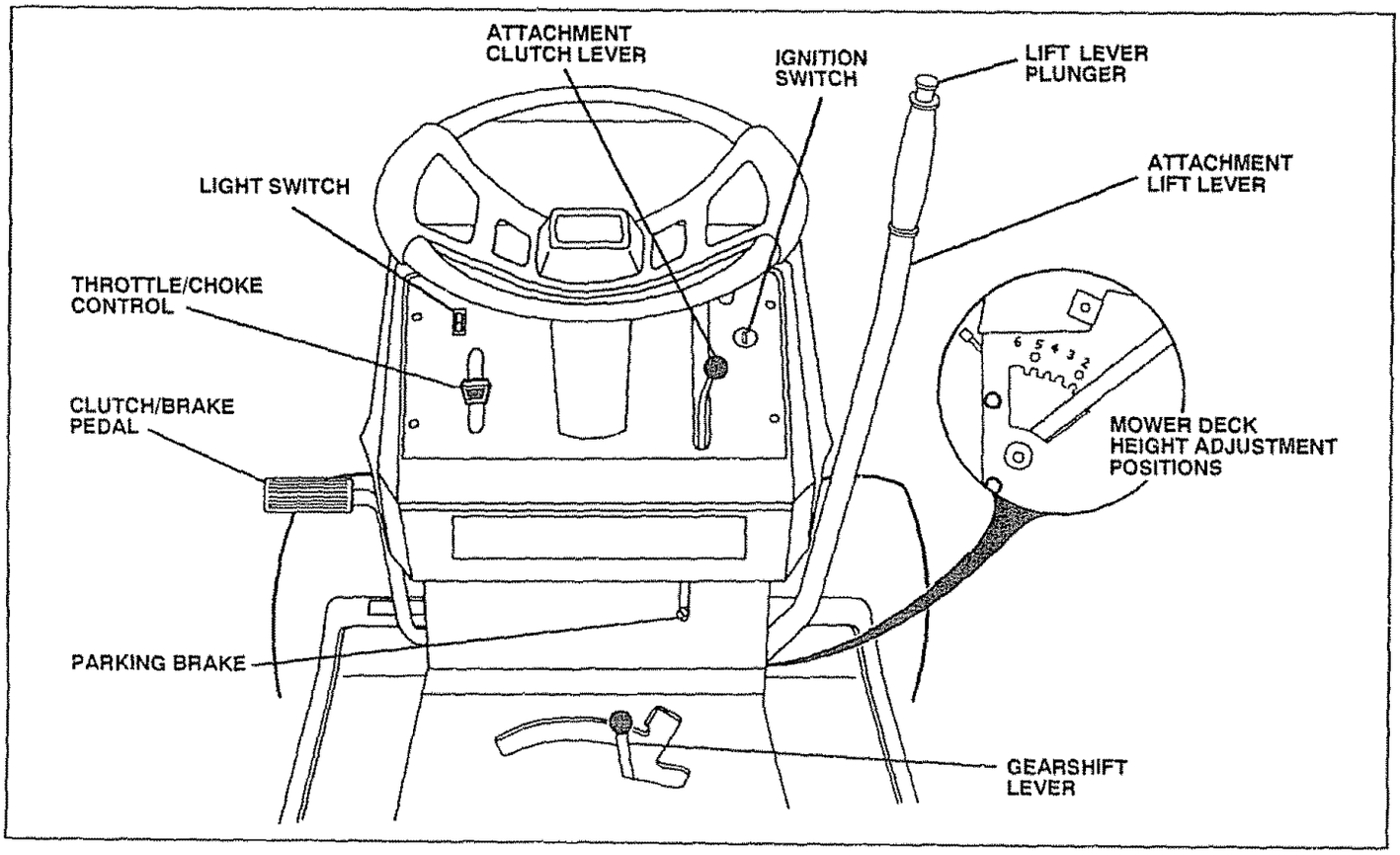


FIG. 6

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

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

LIGHT SWITCH: Turns the headlights on and off.

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

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

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

GEARSHIFT LEVER: Selects the speed and direction of tractor.

ATTACHMENT LIFT LEVER: Used to raise, lower, and adjust 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.

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 tractor secure.

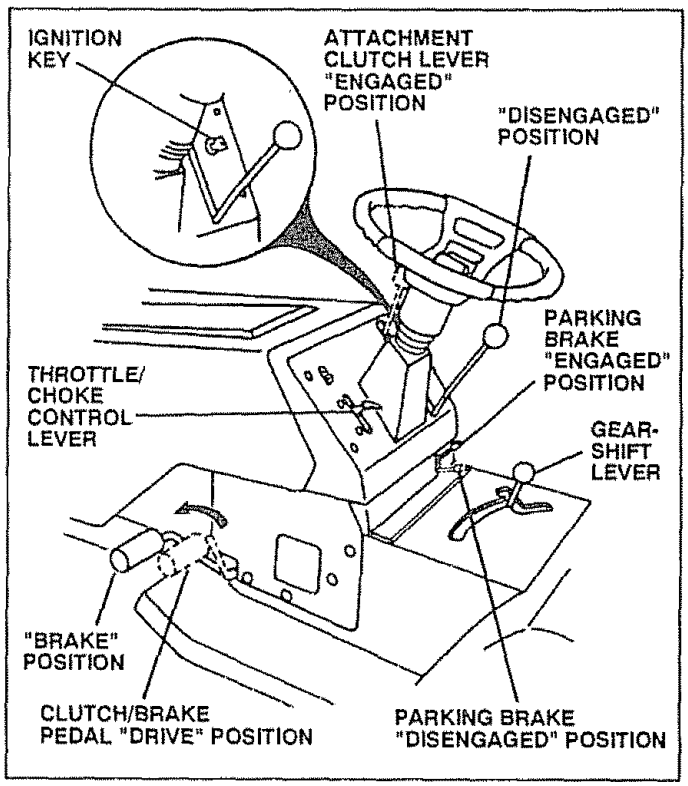


FIG. 7

STOPPING (See Fig. 7)

MOWER BLADES -

- Move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

- Depress clutch/brake pedal into full "BRAKE" position.
- Move gearshift lever to "NEUTRAL" position.

ENGINE -

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

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

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

TO USE THROTTLE CONTROL (See Fig. 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.

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

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 6)

The position of the attachment lift lever determines the cutting height.

- Grasp lift lever.
- Press plunger with thumb and move lever to desired position.

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

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

OPERATION

TO OPERATE MOWER (See Fig. 8)

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

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

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

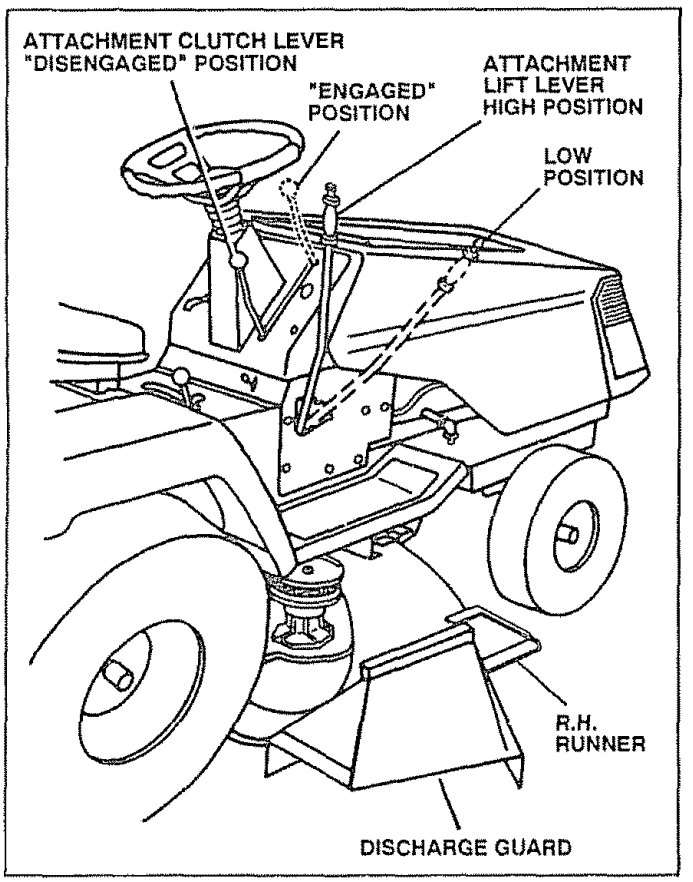


FIG. 8

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 tractor, be sure gearshift lever is in "NEUTRAL" position.
- Do not push or tow tractor at more than five (5) MPH.

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 14)

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

ADD GASOLINE

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

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

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

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

OPERATION

TO START ENGINE (See Fig. 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 tractor.
- 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 tractor. 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).

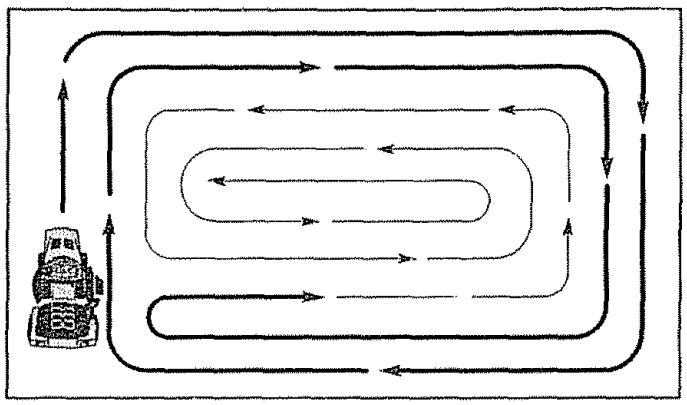


FIG. 9

- 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 gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

CUSTOMER RESPONSIBILITIES

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

1 - Change more often when operating under a heavy load or in high ambient temperatures
2 - Service more often when operating in dirty or dusty conditions
3 - If equipped with oil filter, change oil every 50 hours
4 - Replace blades more often when mowing in sandy soil
5 - If equipped with adjustable system

GENERAL RECOMMENDATIONS

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

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

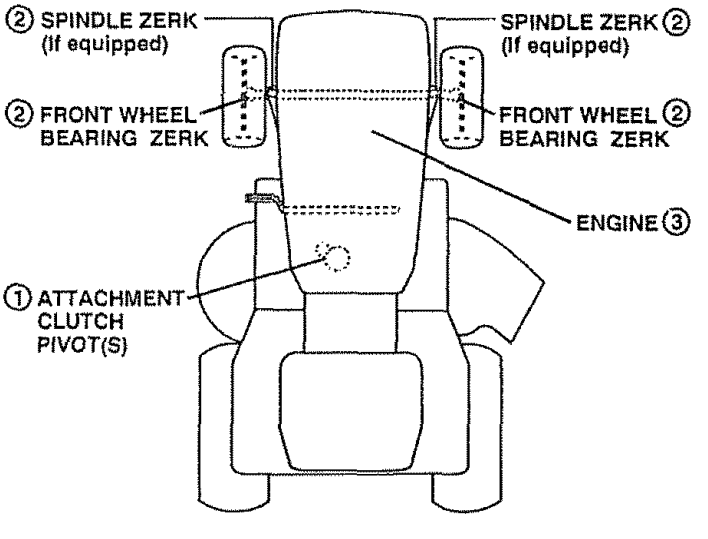
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

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

BEFORE EACH USE

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

LUBRICATION CHART



① SAE 30 OR 10W30 MOTOR OIL API - SG

② GENERAL PURPOSE GREASE

③ REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

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

CUSTOMER RESPONSIBILITIES

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

TIRES

- Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" on page 3 of this manual).
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

BLADE CARE

For best results mower blades must be kept sharp. The blades can be sharpened with a file or on a grinding wheel. We suggest they be sharpened or replaced after every 25 hours of mowing. Check blades more often if mowing in sandy conditions.

- Do not attempt to sharpen blades while they are on the mower.
- Replace bent or damaged blades

BLADE REMOVAL (See Fig. 10)

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

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED

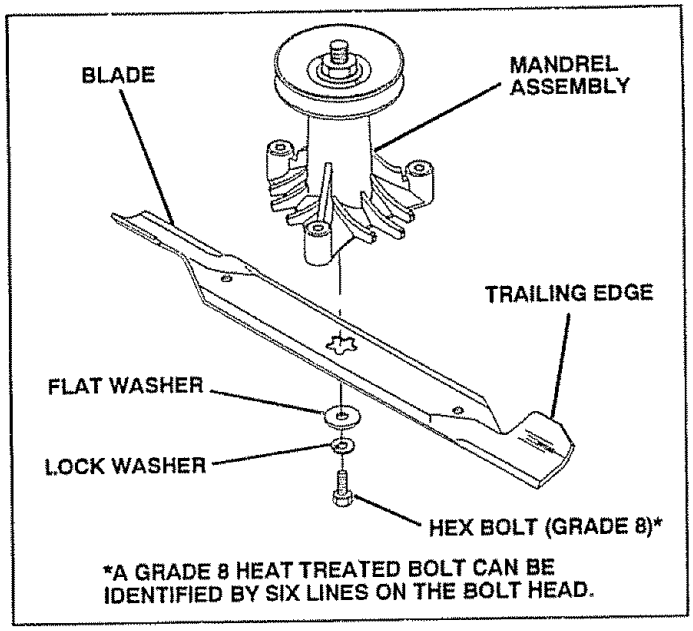


FIG. 10

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, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer).
- Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

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

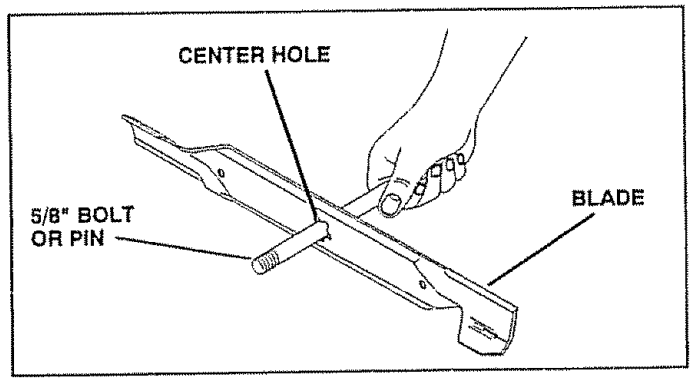


FIG. 11

CUSTOMER RESPONSIBILITIES

BATTERY (See Fig. 12)

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

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

TO CLEAN BATTERY AND TERMINALS -

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

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

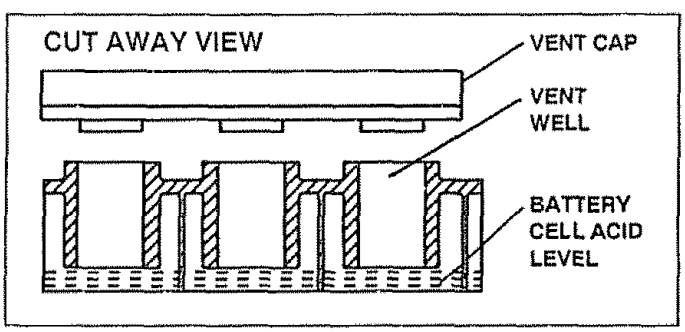


FIG. 12

V-BELTS

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

TRANSAXLE COOLING

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

ENGINE

LUBRICATION

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

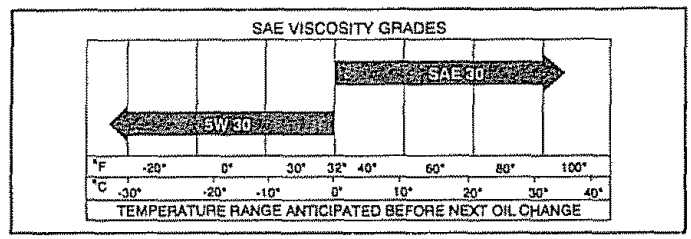


FIG. 13

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

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

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

TO CHANGE ENGINE OIL (See Figs. 13 and 14)

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

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

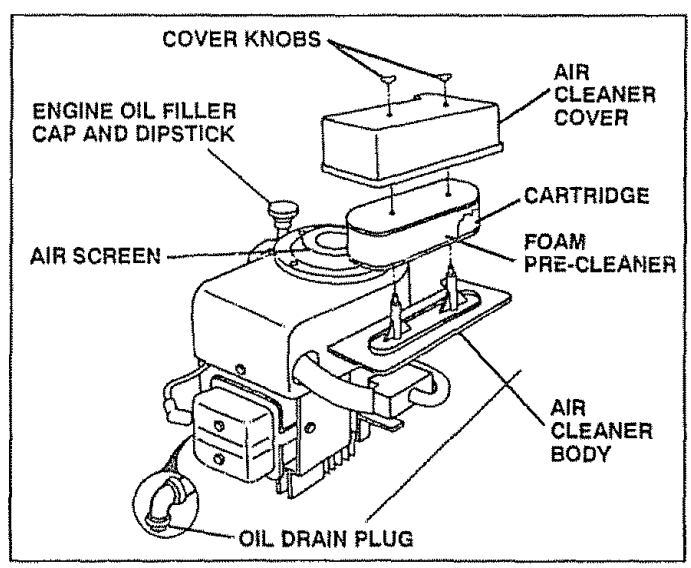


FIG. 14

CUSTOMER RESPONSIBILITIES

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

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

- Remove knobs and cover.
- Remove foam pre-cleaner element by sliding it off of 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 or 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 tighten knobs securely

AIR SCREEN (See Fig. 14)

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. Hood and engine blower housing must be removed to clean engine cooling fins

- Remove hood (see "TO REMOVE HOOD AND GRILL" in the Service and Adjustments section of this manual).
- Remove screws securing air cleaner body and remove (Cover carburetor opening to prevent entry of dirt).
- Remove oil fill dipstick and cover opening to prevent entry of dirt.
- Remove screws from blower housing and lift housing off engine.
- Use compressed air of stiff bristle brush to thoroughly clean engine cooling fins
- To reassemble, reverse above procedure.
- Be certain carburetor tube, breather tube and gaskets are in place.

MUFFLER

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

SPARK PLUGS

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

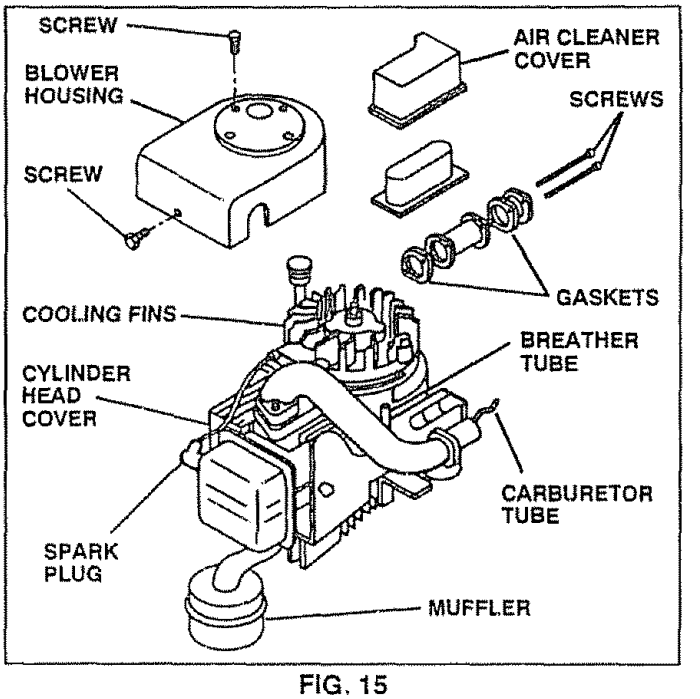


FIG. 15

IN-LINE FUEL FILTER (See Fig. 16)

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

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

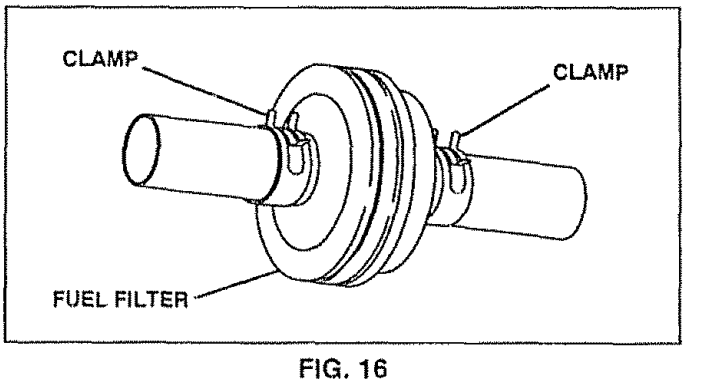


FIG. 16

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

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 tractor.

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

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

TO INSTALL MOWER (See Fig. 17)

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

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

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

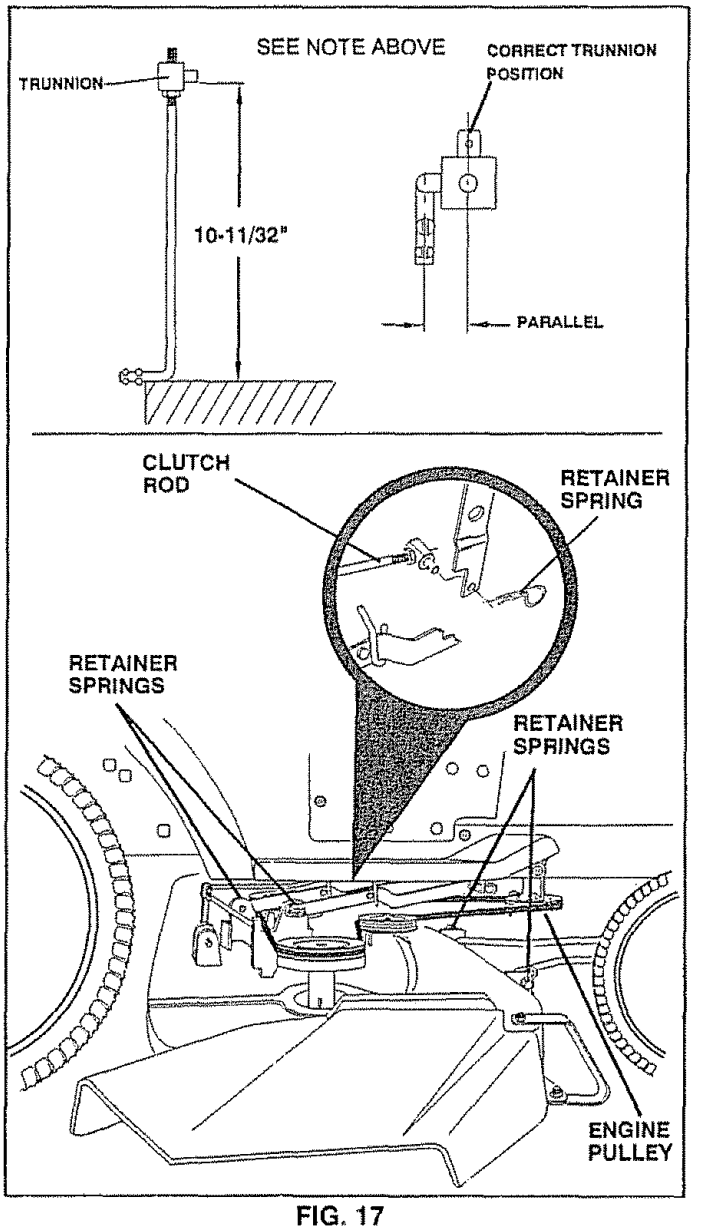


FIG. 17

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) -

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

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

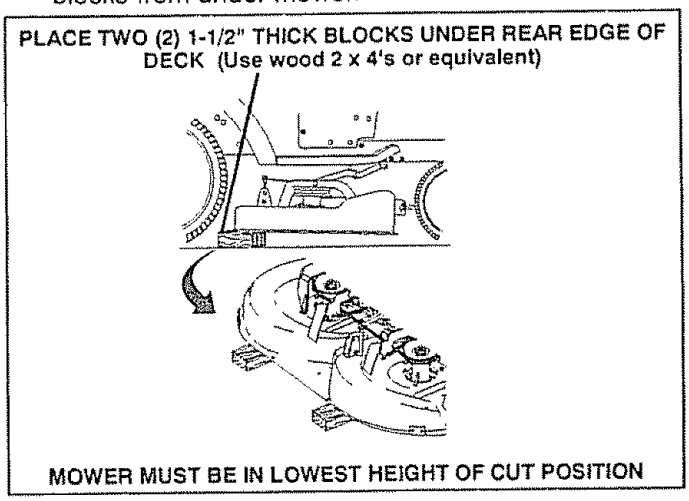


FIG. 18

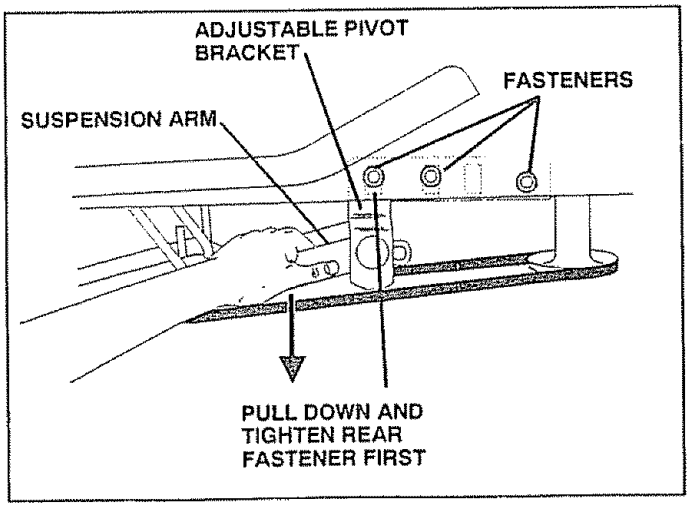


FIG. 19

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

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

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

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

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

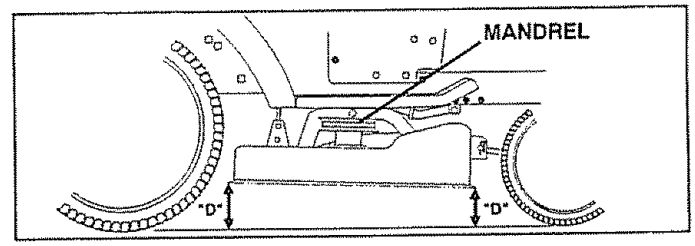


FIG. 20

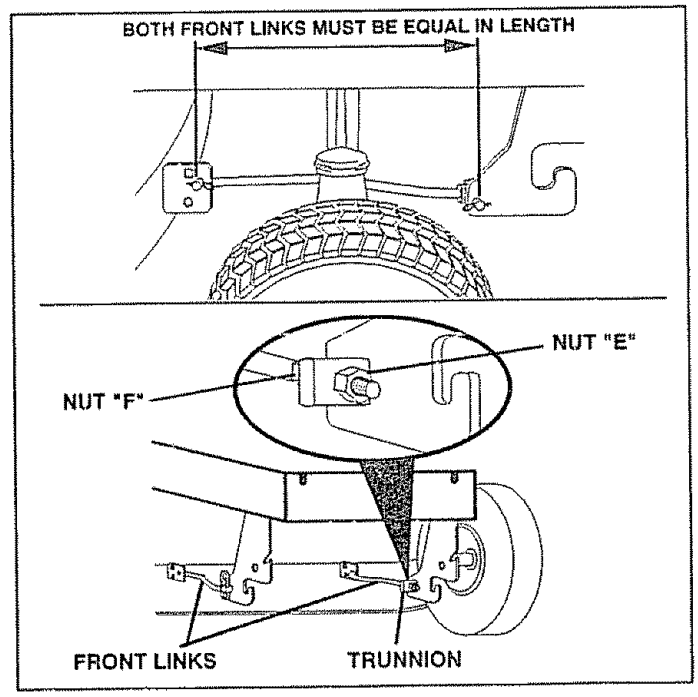


FIG. 21

TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 22)

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

BELT REMOVAL -

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Disconnect R.H. suspension arm from rear deck bracket by removing retainer spring.
- Work belt off both mandrel pulleys and idler pulleys.
- Pull belt away from mower.

BELT INSTALLATION -

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

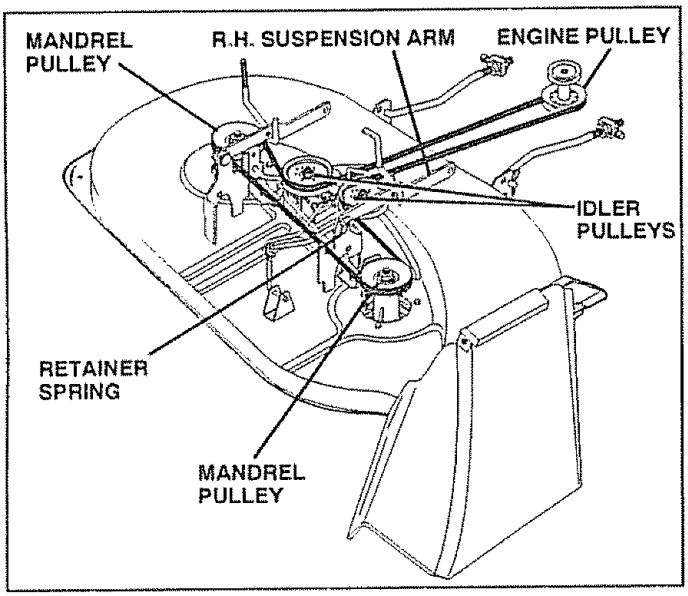


FIG. 22

TO ADJUST BRAKE (See Fig. 23)

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

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

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

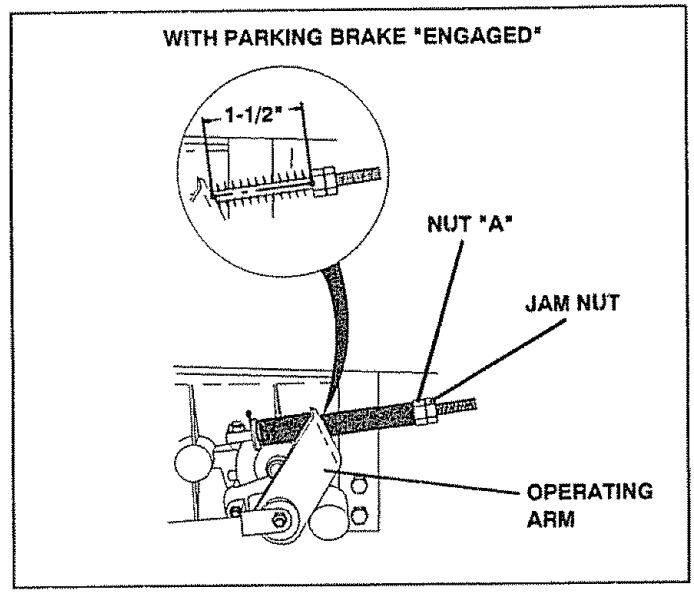


FIG. 23

TO REPLACE MOTION DRIVE BELT (See Fig. 24)

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

- Remove mower (See "TO REMOVE MOWER" in this section of this manual).
- Remove belt from stationary idler and clutching idler.
- Remove belt from engine pulley.
- Roll belt over top of transaxle pulley.
- Install new belt by reversing above procedure.

IMPORTANT: REPLACE ONLY WITH BELT LISTED IN THIS MANUAL.

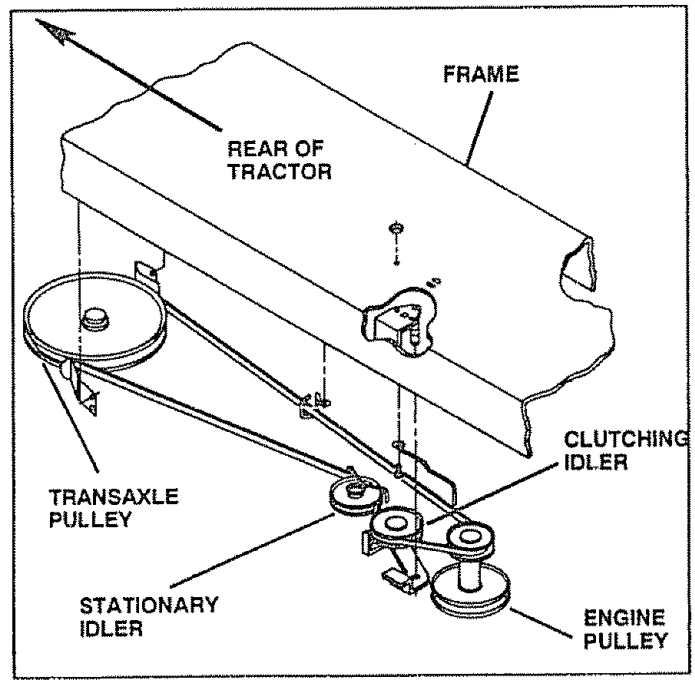


FIG. 24

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 tractor. If damage has occurred to affect the front wheel toe-in or camber, contact your nearest authorized service center.

TO REMOVE WHEEL FOR REPAIRS (See Fig. 25)

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

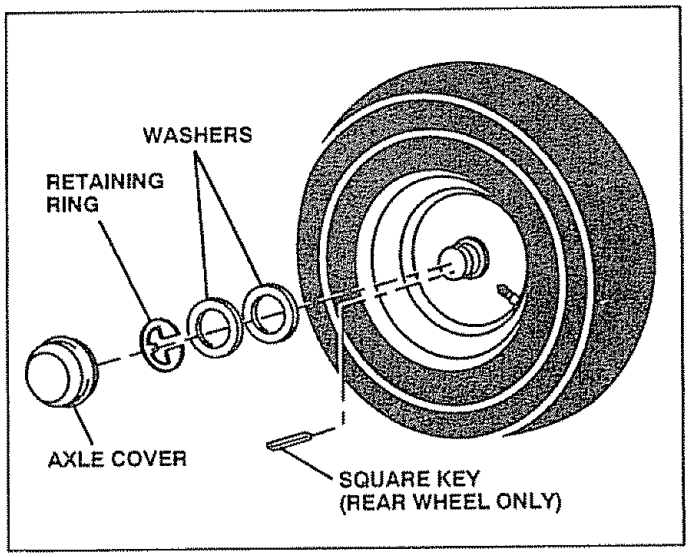


FIG. 25

TO START ENGINE WITH A WEAK BATTERY (See Fig. 26)

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

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

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

TO ATTACH JUMPER CABLES -

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

TO REMOVE CABLES, REVERSE ORDER -

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

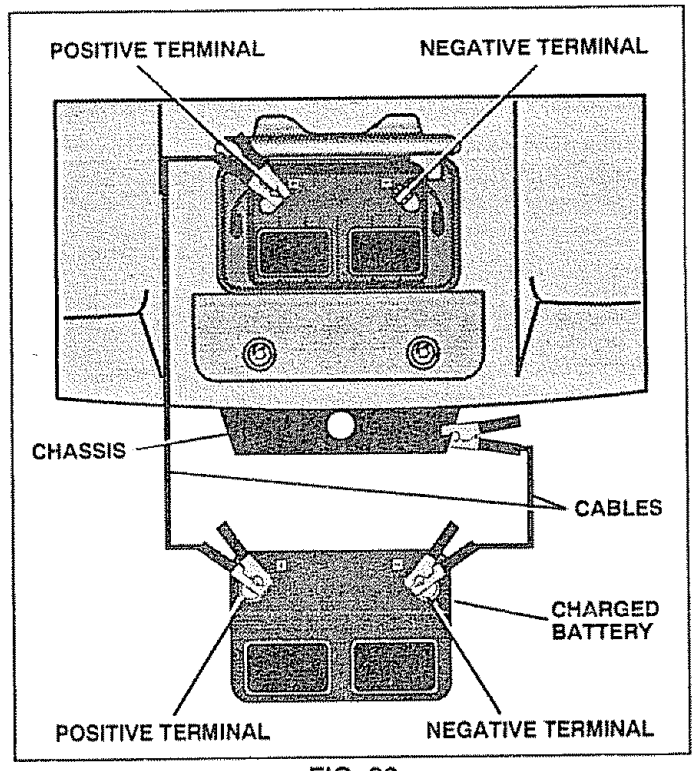


FIG. 26

TO REPLACE FUSE (See Fig. 27)

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

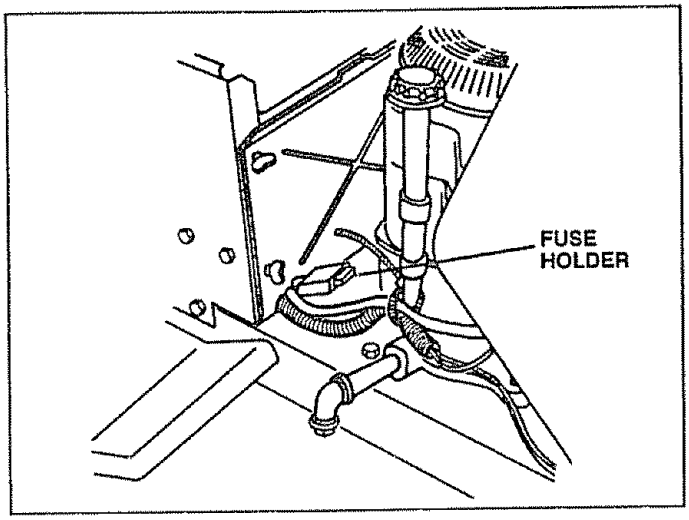


FIG. 27

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

TO REMOVE HOOD AND GRILL (See Fig. 28)

CAUTION: Muffler is hot. Be careful when removing retainer springs from hood pivot brackets.

- Raise hood.
- Unsnap headlight wire connector.
- Remove retainer springs from hood pivot brackets.
- Stand in front of tractor. Grasp hood at sides, tilt forward and lift off of tractor.
- To reinstall, slide hood pivot brackets into slots in frame. Replace retainer springs.
- Reconnect headlight wire connector and close hood.

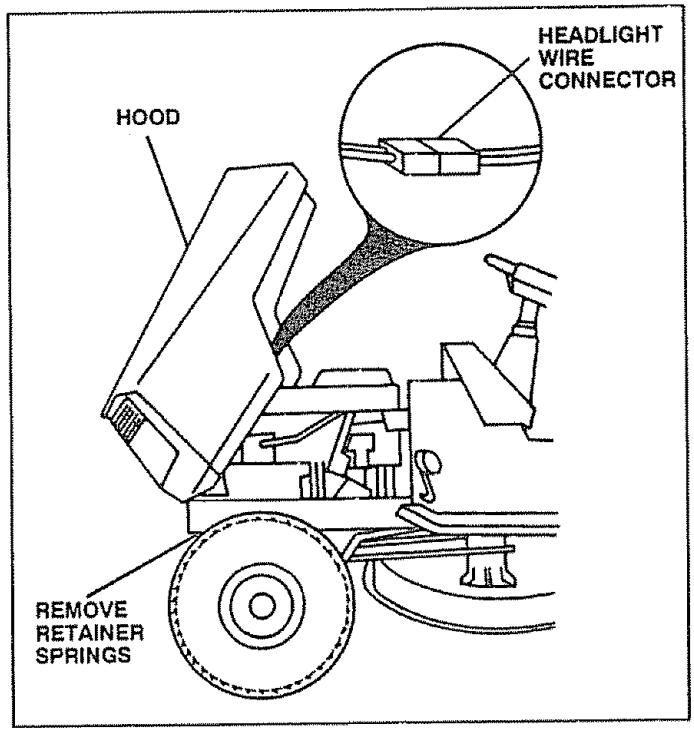


FIG. 28

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 29)

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 throttle lever and hole in 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. 29)

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 -

- Be sure you have a clean air filter and 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) 1-1/2 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.
- With throttle control lever in "SLOW" position, engine should idle at 2100 RPM. If engine idles too slow, turn idle speed screw **in** (clockwise).
- If engine idles too fast in "SLOW" position, turn idle speed screw **out** (counterclockwise).

ACCELERATION TEST -

- Move throttle control lever from "SLOW" to "FAST" position. If engine hesitates or dies, turn high speed 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. HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.

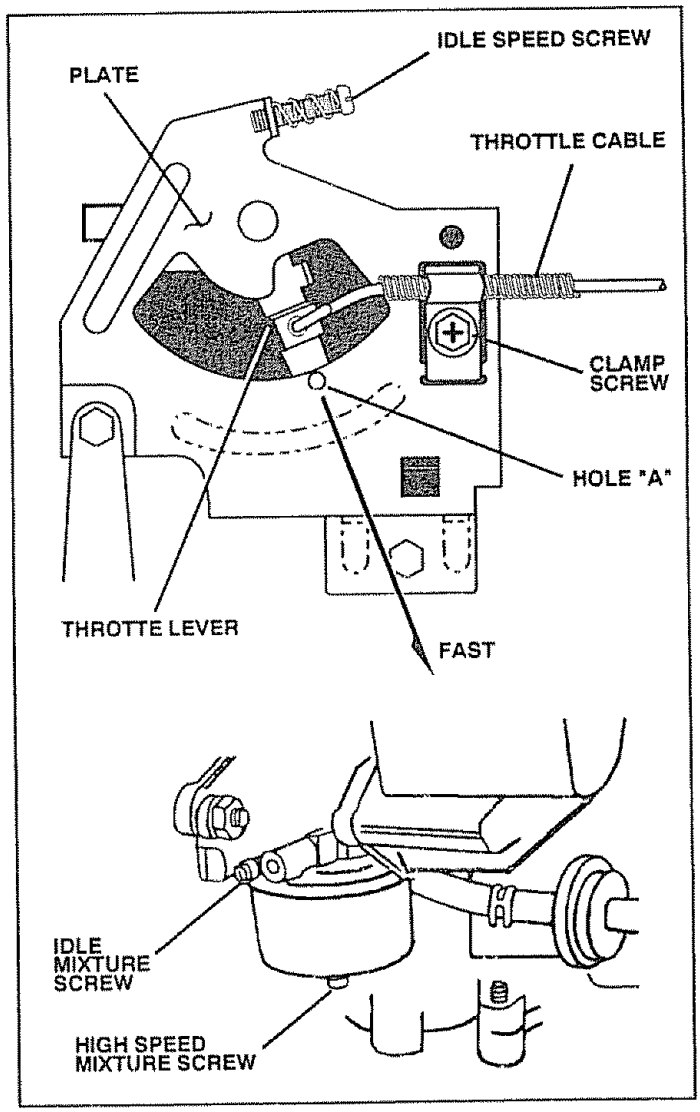


FIG. 29

STORAGE

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

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

TRACTOR

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

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

BATTERY

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

ENGINE

FUEL SYSTEM

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

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

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

ENGINE OIL

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

CYLINDERS

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

OTHER

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

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

TROUBLESHOOTING POINTS

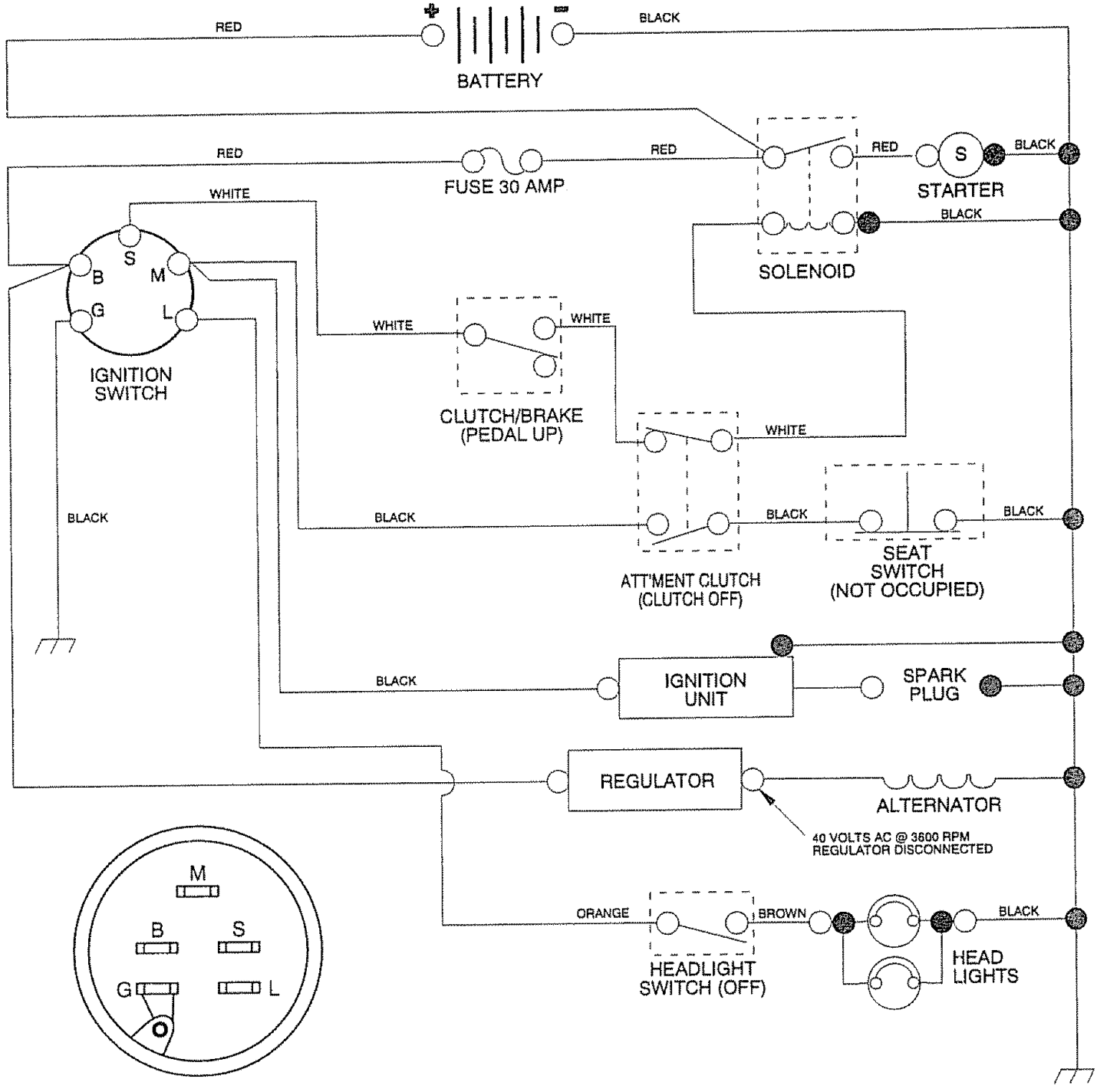
PROBLEM	CAUSE	CORRECTION
Will not start	1. Out of fuel. 2. Engine not "CHOKED" properly 3 Engine flooded 4 Bad spark plug 5 Dirty air filter. 6. Dirty fuel filter 7. Water in fuel 8. Loose or damaged wiring 9. Carburetor out of adjustment. 10. Engine valves out of adjustment.	1. Fill fuel tank. 2. See "TO START ENGINE" in Operation section. 3. Wait several minutes before attempting to start. 4. Replace spark plug. 5. Clean/replace air filter. 6. Replace fuel filter. 7. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 8. Check all wiring 9. Contact Sears Service Center/Department. 10. Contact Sears Service Center/Department.
Hard to start	1. Dirty air filter 2. Bad spark plug. 3. Weak or dead battery 4 Dirty fuel filter. 5. Stale or dirty fuel 6. Loose or damaged wiring 7. Carburetor out of adjustment. 8 Engine valves out of adjustment.	1. Clean/replace air filter. 2. Replace spark plug. 3. Recharge or replace battery 4 Replace fuel filter. 5. Drain fuel tank and refill with fresh gasoline 6 Check all wiring 7. Contact Sears Service Center/Department. 8. Contact Sears Service Center/Department.
Engine will not turn over	1 Clutch/brake pedal not depressed 2. Attachment clutch is engaged. 3 Weak or dead battery 4 Blown fuse. 5. Corroded battery terminals 6. Loose or damaged wiring. 7. Faulty ignition switch. 8 Faulty solenoid or starter. 9. Faulty operator presence switch(es).	1. Depress clutch/brake pedal. 2. Disengage attachment clutch. 3. Recharge or replace battery. 4. Replace fuse. 5. Clean battery terminals. 6. Check all wiring. 7 Check/replace ignition switch. 8. Check/replace solenoid or starter. 9 Contact Sears Service Center/Department.
Engine clicks but will not start	1 Weak or dead battery. 2. Corroded battery terminals. 3. Loose or damaged wiring. 4. Faulty solenoid or starter.	1. Recharge or replace battery. 2. Clean battery terminals 3. Check all wiring. 4 Check/replace solenoid or starter.
Loss of power	1 Cutting too much grass/too fast. 2. Throttle in "CHOKE" position. 3. Build-up of grass, leaves and trash under mower. 4 Dirty air filter. 5. Low oil level/dirty oil 6. Faulty spark plug 7. Dirty fuel filter 8 Stale or dirty fuel 9 Water in fuel 10 Spark plug wire loose. 11 Dirty engine air screen/fins 12 Dirty/clogged muffler. 13. Loose or damaged wiring. 14 Carburetor out of adjustment. 15. Engine valves out of adjustment.	1. Set in "Higher Cut" position/reduce speed. 2. Adjust throttle control. 3 Clean underside of mower housing. 4. Clean/replace air filter. 5 Check oil level/change oil. 6 Clean and regap or change spark plug. 7 Replace fuel filter. 8. Drain fuel tank and refill with fresh gasoline. 9. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 10. Connect and tighten spark plug wire. 11 Clean engine air screen/fins. 12. Clean/replace muffler 13. Check all wiring. 14. Contact Sears Service Center/Department. 15. Contact Sears Service Center/Department.
Excessive vibration	1 Worn, bent or loose blade. 2. Bent blade mandrel. 3 Loose/damaged part(s)	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	1. Faulty operator-safety presence control system.	1. Check wiring, switches and connections. If not corrected, contact Sears Service Center/Department.
Poor cut - uneven	1. Worn, bent or loose blade. 2. Mower deck not level. 3. Buildup of grass, leaves, and trash under mower. 4. Bent blade mandrel. 5. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1 Replace blade. Tighten blade bolt. 2. Level mower deck. 3 Clean underside of mower housing. 4. Replace blade mandrel. 5. Clean around mandrels to open vent holes.
Mower blades will not rotate	1. Obstruction in clutch mechanism 2. Worn/damaged mower drive belt. 3. Frozen idler pulley. 4. Frozen blade mandrel.	1. Remove obstruction. 2. Replace mower drive belt. 3 Replace idler pulley 4 Replace blade mandrel
Poor grass discharge	1. Engine speed too slow. 2. Travel speed too fast. 3. Wet grass. 4 Mower deck not level. 5 Low/uneven tire air pressure. 6. Worn, bent or loose blade. 7. Buildup of grass, leaves and trash under mower. 8. Mower drive belt worn. 9 Blades improperly installed 10 Improper blades used 11 Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1 Place throttle control in "FAST" position. 2. Shift to slower speed. 3. Allow grass to dry before mowing. 4. Level mower deck. 5. Check tires for proper air pressure. 6. Replace/sharpen blade. Tighten blade bolt. 7 Clean underside of mower housing. 8. Replace mower drive belt. 9. Reinstall blades sharp edge down. 10 Replace with blades listed in this manual. 11 Clean around mandrels to open vent holes.
Headlight(s) not working (if so equipped)	1 Switch is "OFF". 2. Bulb(s) burned out. 3 Faulty light switch. 4 Loose or damaged wiring. 5. Blown fuse.	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	1. Bad battery cell(s). 2. Poor cable connections. 3 Faulty regulator (if so equipped) 4. Faulty alternator.	1 Replace battery 2. Check/clean all connections. 3. Replace regulator 4 Replace alternator.

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

SCHEMATIC



IGNITION SWITCH

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

WIRING INSULATED CLIPS

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

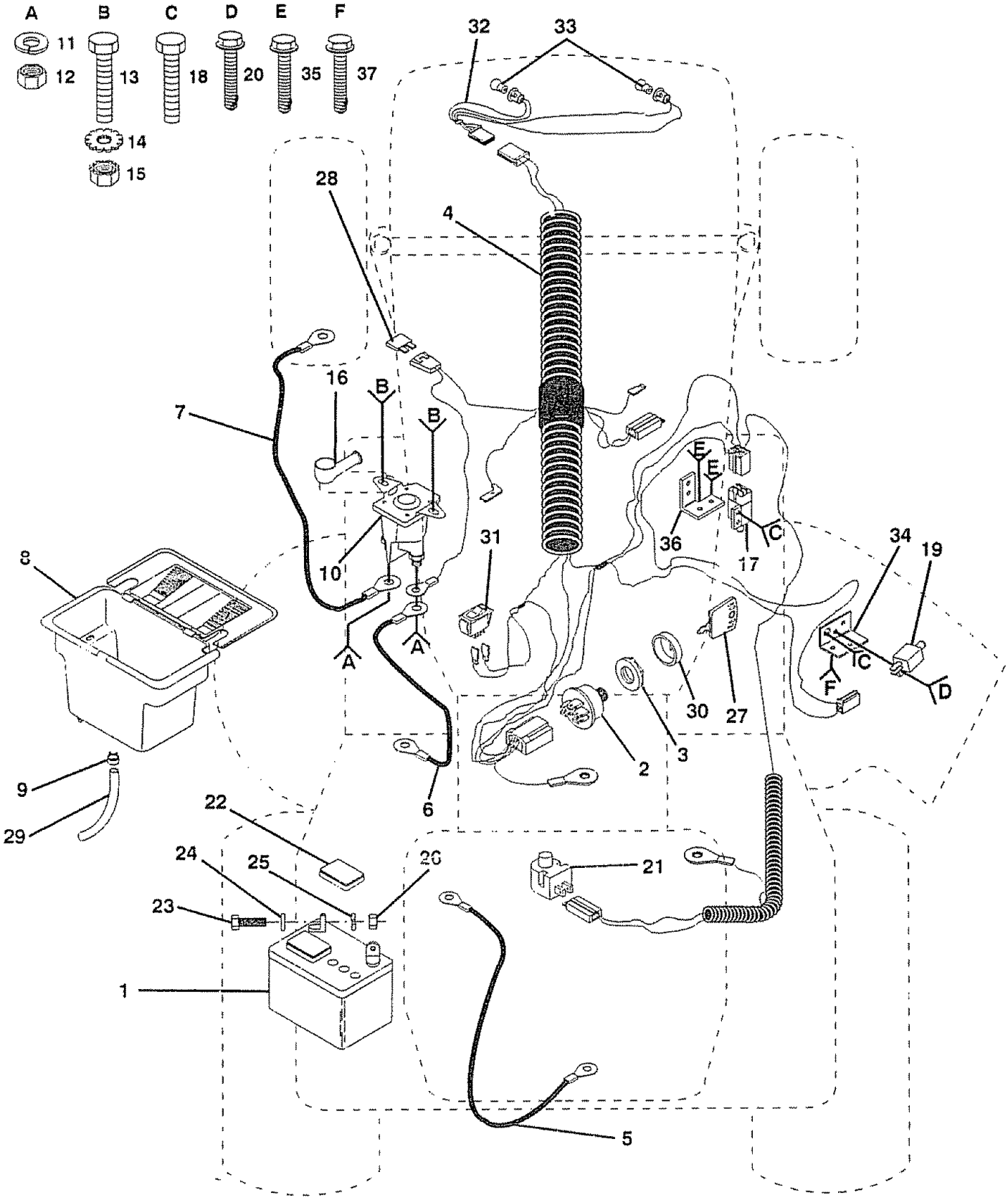
REMOVABLE CONNECTIONS

NON-REMOVABLE CONNECTIONS

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

ELECTRICAL



REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

ELECTRICAL

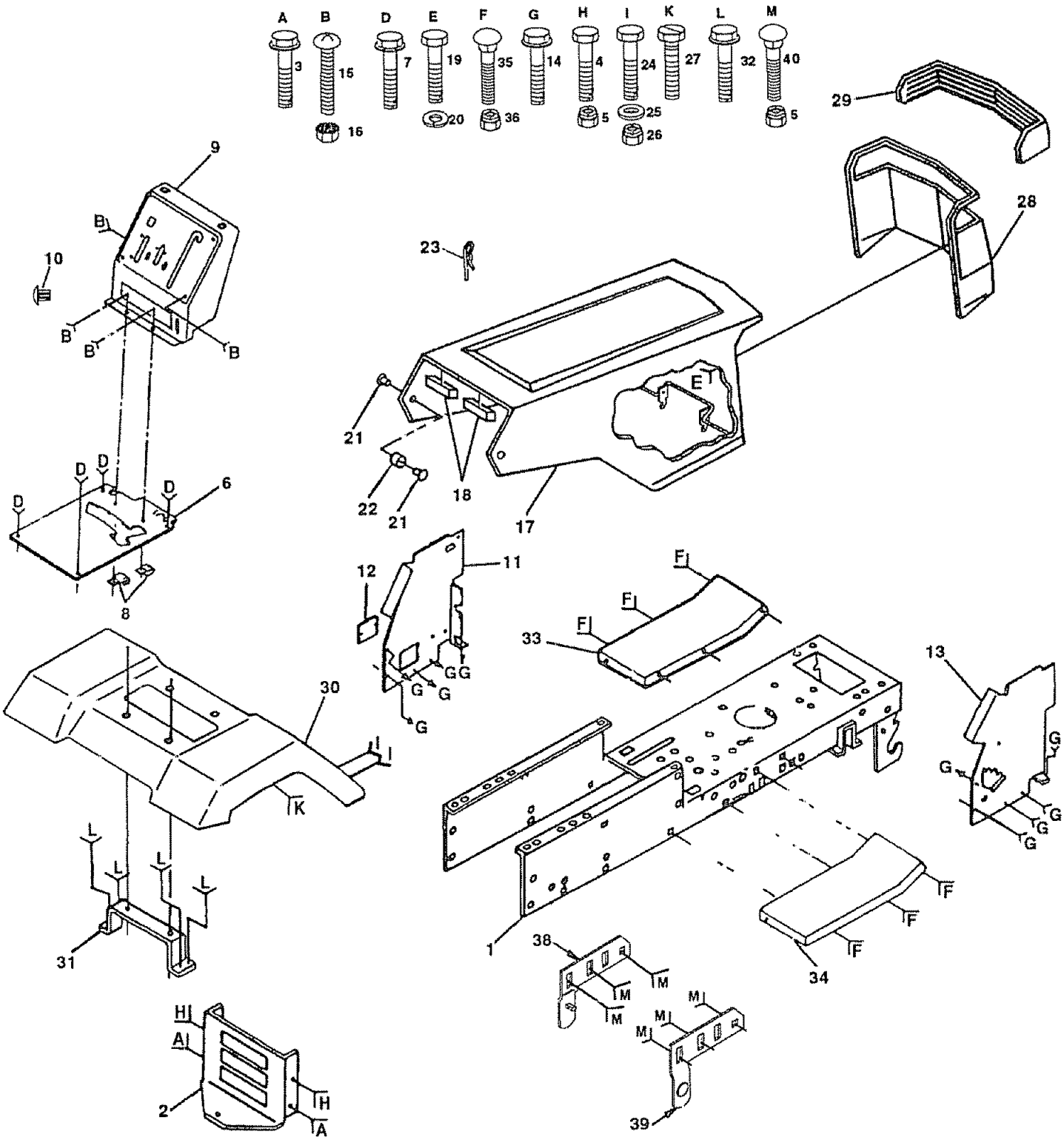
KEY NO.	PART NO.	DESCRIPTION
1	121265X	Battery, 12 Volt
2	STD365402	Switch, Starter
3	124211X	Nut, Ignition
4	133433	Harness, Ignition
5	4207J	Cable, Ground
6	132202	Cable, Battery
7	108423X	Cable, Battery
8	129965	Battery Box
9	109596X	Clamp, Hose
10	109081X	Solenoid
11	STD551125	Washer, Lock
12	73350400	Nut, Hex, Jam 1/4-20 UNC
13	74780408	Bolt, Hex, Fin. 1/4-20 UNC x 1/2 Grade 5
14	STD551225	Washer
15	STD541425	Nut
16	131563	Cover, Terminal
17	109553X	Switch, Interlock
18	STD601005	Screw
19	104445X	Switch, Interlock
20	STD601005	Screw
21	121305X	Switch, Plunger
22	121264X	Cap, Battery
23	74760412	Bolt, Hex Head 1/4-20 UNC x 3/4
24	STD551025	Washer
25	STD551125	Washer
26	STD541025	Nut
27	109310X	Key, Ignition
28	108824X	Fuse, 30 Amp
29	105687X	Tube, Battery Drain
30	123620X	Cover, Key Switch
31	110712X	Switch, Light
32	127441X	Harness, Light Socket
33	7662J	Bulb, Light
34	108236X	Bracket, Switch, Interlock
35	STD601005	Screw
36	130890	Bracket, Switch, Interlock
37	STD601005	Screw

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

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

CHASSIS AND ENCLOSURES



REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

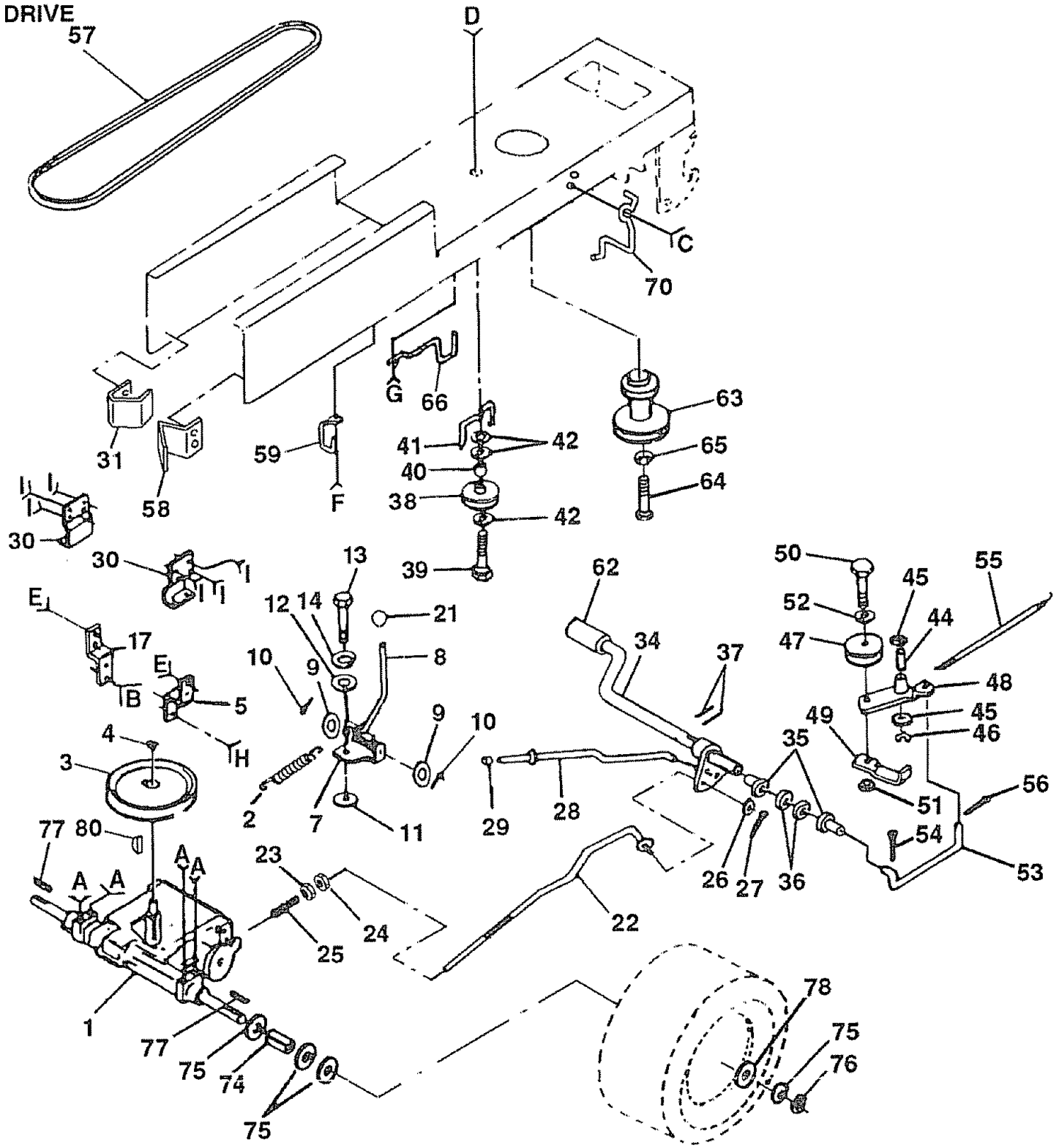
CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION
1	135034	Chassis
2	127866	Drawbar
3	17490612	Screw, Thd. Roll. 3/8-16 x 3/4 Type TT
4	STD523707	Bolt, Hex, Fin. 3/8-16 UNC x 3/4
5	STD541437	Nut, Crownlock 3/8-16 UNC
6	124466X011	Saddle
7	17490608	Screw, Thd. Roll. 3/8-16 x 1/2 Type TT
8	2751R	Clip, Fuel Line
9	123042X012	Dash
10	5479J	Plug, Button
11	122795X	Panel, Dash, LH
12	121794X	Cover, Access
13	124031X	Panel, Dash, RH
14	17490608	Screw, Thd. Roll. 3/8-16 x 1/2 Type TT
15	74180512	Screw, Machine, Threaded 5/16-18 UNC x 3/4
16	STD541431	Nut, Hex, Keps 5/16-18 UNC
17	131445X417	Hood Assembly
18	126938X	Bumper, Hood
19	STD512505	Bolt, Hex, Fin. 1/4-20 UNC x 1/2
20	STD551125	Washer, Lock, Heavy Helical Spring 1/4
21	122933X	Rivet, Ratchet, Nylon
22	124479X	Washer, Nylon .28 x .75 x .19
23	4921H	Retainer, Spring
24	STD523707	Bolt, Hex, Fin. 3/8-16 UNC x 3/4
25	19131312	Washer 13/32 x 13/16 x 12 Gauge
26	STD541437	Nut, Crownlock 3/8-16 UNC
27	17490608	Screw, Thd. Roll. 3/8-16 x 1/2 Type TT
28	123915X	Grill
29	124029X	Lens, Headlight Bar, Clear
30	109872X417	Fender
31	109873X	Bracket, Fender
32	17490612	Screw, Thd. Roll. 3/8-16 x 3/4 Type TT
33	105476X417	Footrest, Perforated, LH
34	105475X417	Footrest, Perforated, RH
35	STD533707	Bolt, Carriage 3/8-16 x 3/4
36	STD541437	Nut, Crownlock 3/8-16 UNC
38	134618	Bracket Assembly, Pivot, LH, Mower, Rear
39	134617	Bracket Assembly, Pivot, RH, Mower, Rear
40	72140606	Bolt, Carriage 3/8-16 x 3/4

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

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750



A	B	C	D	E	F	G	H	I
15	6	71	43	18	61	67	20	32
79		72		19	60	68		33
16		73				69		

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

DRIVE

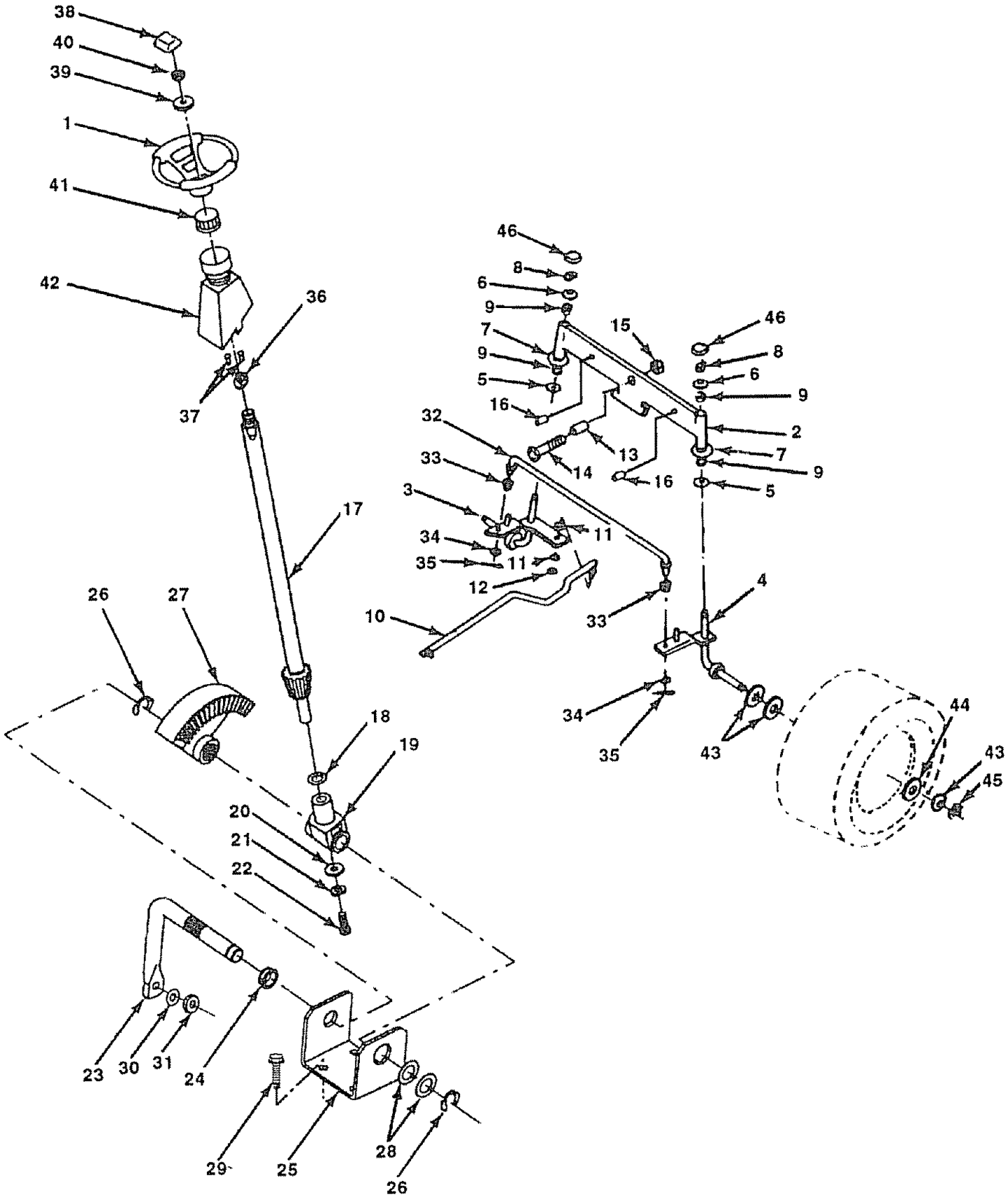
KEY NO.	PART NO.	DESCRIPTION
1	127050X	Transaxle, Peerless, 5 Speed, Model Number 143.930-009
2	110422X	Spring, Brake Return, Transaxle
3	123666X	Pulley, Transaxle
4	12000028	Ring, Retainer
5	121520X	Strap, Torque
6	17490512	Screw, Thd. Roll. 5/16-18 x 3/4 Type T
7	106919X	Plate, Shift Rod, Transaxle
8	133428	Rod, Shifter
9	19151216	Washer 15/32 x 3/4 x 16 Gauge
10	STD561210	Pin, Cotter 1/8 x 1
11	105701X	Washer, Shift Plate, Square Hole
12	19091210	Washer 9/32 x 3/4 x 10 Gauge
13	71040412	Bolt, Hex, Fin. 1/4-28 UNF x 3/4 Grade 8
14	STD551125	Washer, Lock, Heavy Helical Spring 1/4
15	74760540	Bolt, Hex, 5/16-18 x 2-1/2
16	STD541431	Nut, Crownlock 5/16-18
17	121520X	Strap, Torque
18	STD523707	Bolt, Hex, Fin. 3/8-16 UNC x 3/4
19	STD541437	Nut, Crownlock 3/8-16 UNC
20	17490512	Screw, Thd. Roll. 5/16-18 x 3/4 Type T
21	106933X	Knob
22	131867	Rod, Brake
23	STD541437	Locknut, Hex, with Washer Insert 3/8-16 UNC
24	STD541237	Nut, Hex, Jam 3/8-16 UNC
25	106888X	Spring, Brake Rod
26	STD551037	Washer 13/32 x 13/16 x 16 Gauge
27	STD561210	Pin, Cotter 1/8 x 3/4
28	128904	Rod, Parking Brake
29	124236X	Cap, Parking Brake
30	109167X	Bracket, Transmission
31	127275X	Keeper, Belt, LH
32	STD523707	Bolt, Hex, Fin. 3/8-16 UNC x 3/4
33	STD541437	Nut, Crownlock 3/8-16 UNC
34	122424X	Shaft Assembly, Foot Pedal
35	120183X	Bearing, Nylon
36	STD551062	Washer 21/32 x 1 x 16 Gauge
37	STD571810	Pin, Roll 3/16 x 1
38	123674X	Pulley, Idler, Flat
39	STD523727	Bolt, Hex, Fin. 3/8-16 UNC x 2-3/4
40	4470J	Spacer, Split
41	109070X	Keeper, Belt Retainer
42	19131312	Washer 13/32 x 13/16 x 12 Gauge
43	STD541437	Nut, Crownlock 3/8-16 UNC
44	105706X	Bearing, Nylon .503 x .628 x 1.25
45	110812X	Washer, Hardened
46	12000039	Ring, Klip
47	127783	Pulley, Idler, V-Groove
48	123789X	Bellcrank Assembly
49	123205X	Retainer, Belt, Spring Style
50	STD523715	Bolt, Hex Head 3/8-16 UNC x 1-1/2
51	STD541437	Nut, Crownlock 3/8-16 UNC
52	STD551037	Washer 13/32 x 13/16 x 16 Gauge
53	105710X	Link, Clutch
54	STD561210	Pin, Cotter 1/8 x 3/4
55	105709X	Spring, Clutch Return
56	STD561210	Pin, Cotter 1/8 x 3/4
57	125907X	V-belt, Ground Drive
58	127274X	Keeper, Belt, RH
59	104777X	Retainer, Belt, Chassis, LH
60	19131312	Washer 13/32 x 13/16 x 12 Gauge
61	17490612	Screw, Thd. Roll. 3/8-16 x 3/4 Type TT
62	8883R	Cover, Pedal
63	134825	Pulley, Engine
64	71170764	Bolt, Hex 7/16-20 x 4 Grade 8
65	STD551143	Washer, Lock, Heavy Helical Spring 7/16
66	129921	Keeper, Belt, Engine, LH
67	STD523710	Bolt, Hex, Fin. 3/8-16 UNC x 1
68	19131312	Washer 13/32 x 13/16 x 12 Gauge
69	STD541437	Nut, Crownlock 3/8-16 UNC
70	134683	Guide, Belt, Mower, RH
71	STD523710	Bolt, Hex, Fin. 3/8-16 UNC x 1
72	19132012	Washer 13/32 x 1-1/4 x 12 Gauge
73	STD541437	Nut, Crownlock 3/8-16 UNC
74	109501X	Spacer, Split
75	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
76	STD581075	E-Ring
77	123583X	Key, Square 2.0 x .1845/.1865
78	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
79	STD551031	Washer 11/32 x 11/16 x 16 Gauge
80	2228M	Key, Woodruff #9

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

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

STEERING ASSEMBLY



REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

STEERING ASSEMBLY

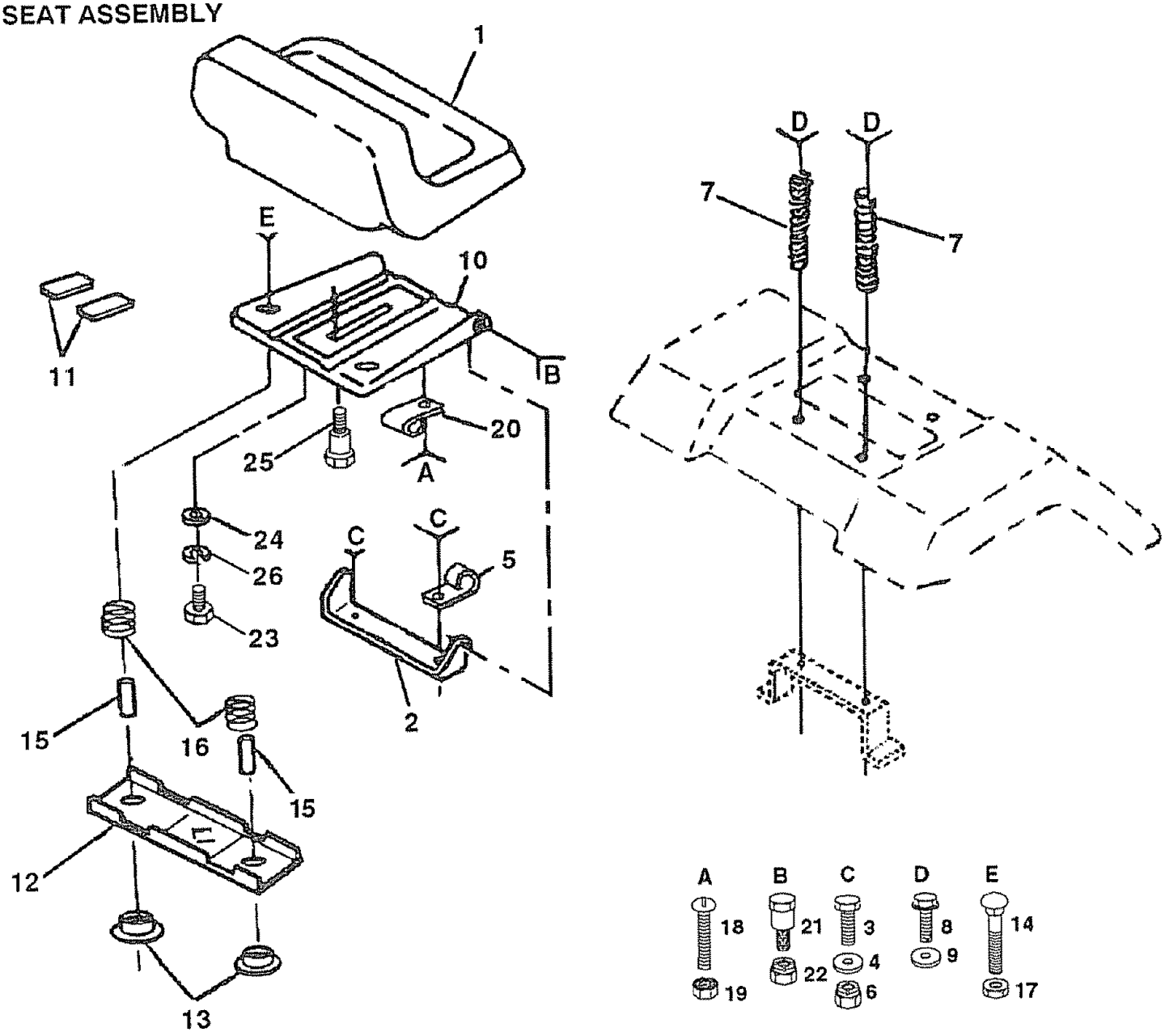
KEY NO.	PART NO.	DESCRIPTION
1	133741	Steering Wheel
2	131450	Axle Assembly, Front
3	135227	Spindle Assembly, LH
4	135228	Spindle Assembly, RH
5	6266H	Bearing, Thrust
6	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
7	19272016	Washer 27/32 x 1-1/4 x 16 Gauge
8	12000029	Ring, Klip
9	3366R	Bearing, Steering Column
10	130468	Link, Drag
11	STD551137	Washer, Lock, Heavy Helical Spring 3/8
12	73610600	Nut, Hex, Fin. 3/8-24 UNF
13	110438X	Spacer, Bearing, Front Axle
14	74011056	Bolt, Hex Head 5/8-11 UNC x 3-1/2
15	73601000	Locknut, Hex, Jam, with Washer Insert 5/8-11 UNC
16	132624	Pin, Axle 5/8 x 1.55/1.54 Large
17	132614	Shaft Assembly, Steering
18	57079	Washer, Thrust .515 x .750 x .033
19	124035X	Support, Shaft
20	126684X	Washer, Shim 1/4 x 5/8 x .062
21	STD551125	Washer, Lock, Heavy Helical Spring 1/4
22	71070410	Screw, Hex Socket Head 1/4-20 x 5/8
23	127501	Shaft Assembly, Pittman
24	109816X	Nyliner, Snap-In
25	124036X	Bracket, Steering
26	12000029	Ring, Klip
27	124034X	Gear, Sector
28	6266H	Bearing, Thrust
29	17490612	Screw, Thd. Roll. 3/8-16 x 3/4 Type TT
30	STD551137	Washer, Lock, Heavy Helical Spring 3/8
31	73610600	Nut, Hex, Fin 3/8-24 UNF
32	130465	Rod, Tie
33	126847X	Bushing, Tie Rod
34	19131416	Washer 13/32 x 7/8 x 16 Gauge
35	STD561210	Pin, Cotter 1/8 x 3/4
36	132196	Bushing, Steering
37	STD611005	Screw #10-16 x 1/2 Type B
38	133742	Insert, Steering Wheel
39	19133808	Washer 13/32 x 2-3/8 x 8 Gauge
40	STD541537	Nut, Center Lock 3/8-24 UNF
41	104820X	Adaptor, Steering Wheel
42	124417X	Boot, Steering
43	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
44	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
45	12000029	Ring, Klip
46	121232X	Cap, Spindle

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

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

SEAT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION
1	127436	Seat
2	126656X	Bracket, Pivot, Seat
3	STD523707	Bolt, Hex, Fin. 3/8-16 UNC x 3/4
4	19131210	Washer 13/32 x 3/4 x 10 Gauge
5	2751R	Clip, Fuel Line
6	STD541437	Nut, Crownlock 3/8-16 UNC
7	124181X	Spring, Seat
8	17490616	Screw, Thd. Roll. 3/8-16 x 1 Type TT
9	19131614	Washer 13/32 x 1 x 14 Gauge
10	131451	Pan, Seat
11	121251X	Strip, Foam
12	121246X	Bracket, Switch Mounting
13	121248X	Bushing, Snap
14	72050411	Bolt, Carriage 1/4-20 x 1-3/8
15	121249X	Spacer, Split
16	121250X	Spring
17	123976X	Locknut, Flange 1/4 Grade 5
18	STD511005	Screw, Slotted Pan Head #10-32 x 1/2
19	73951000	Nut, Hex, Keps #10-32 UNF
20	4171R	Clip, Insulated
21	105529X	Bolt, Shoulder 5/16-18 UNC
22	STD541431	Nut, Crownlock 5/16-18
23	74780814	Bolt, Hex, Fin. 1/2-13 x 7/8 Grade 5
24	19171912	Washer 17/32 x 1-3/16 x 12 Gauge
25	127018X	Bolt, Shoulder 5/16-18 x .62
26	STD551150	Washer, Lock, Heavy Helical Spring 1/2

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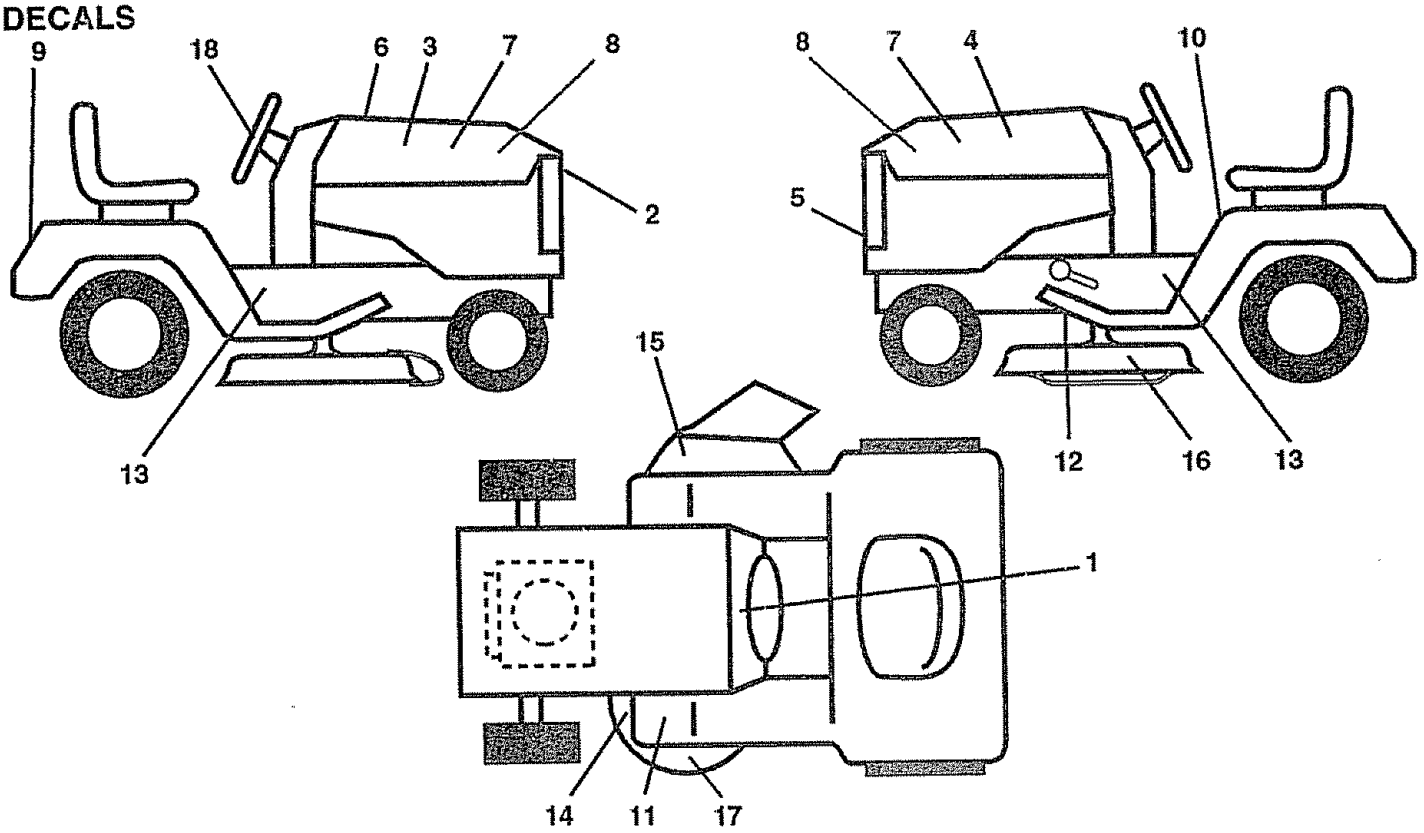
REPAIR PARTS

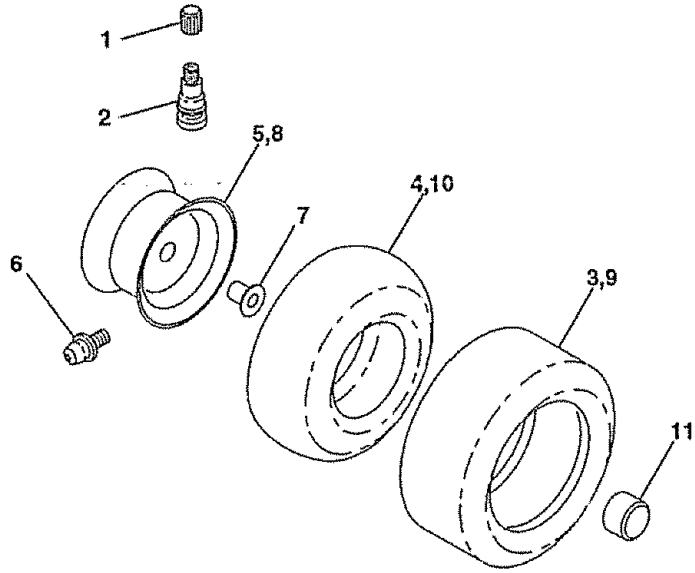
12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

DECALS



KEY NO.	PART NO.	DESCRIPTION
1	108456X	Decal, Operating Instruction
2	131265	Decal, Lightbox, Grill
3	124489X	Decal, Hood, Craftsman, RH
4	124490X	Decal, Hood, Craftsman, LH
5	132674	Decal, Grill, LT4000, Craftsman
6	133644	Decal, Maintenance, Sears
7	129783	Decal, Side Panel, 12.5 HP/OHV
8	108631X	Decal, II
9	125880X	Decal, Fender, Craftsman
10	133796	Decal, Caution
11	4900J	Decal, Clutch/Brake
12	109199X	Decal, V-Belt Drive Schematic
13	105809X	Decal, Chassis, 5 Speed/38"
14	130929	Decal, Mower Drive Schematic
15	121343X	Decal, Danger
16	3713J	Decal, Rotating Blades
17	133179	Decal, Mower QC System
18	132267	Decal, Steering Wheel Insert
- -	135186	Manual, Owner's

WHEELS & TIRES



KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap, Valve
2	65139	Stem, Valve
3	124157X	Tire, Front
4	59904	Tube, Tire, Front (Optional, Service Item Only)
5	106732X361	Rim Assembly, Front
6	278H	Fitting, Grease
7	9040H	Bearing, Flange
8	106108X361	Rim Assembly, Rear
9	123969X	Tire, Rear
10	7152J	Tube, Tire, Rear (Optional, Service Item Only)
11	104757X	Cover, Axle

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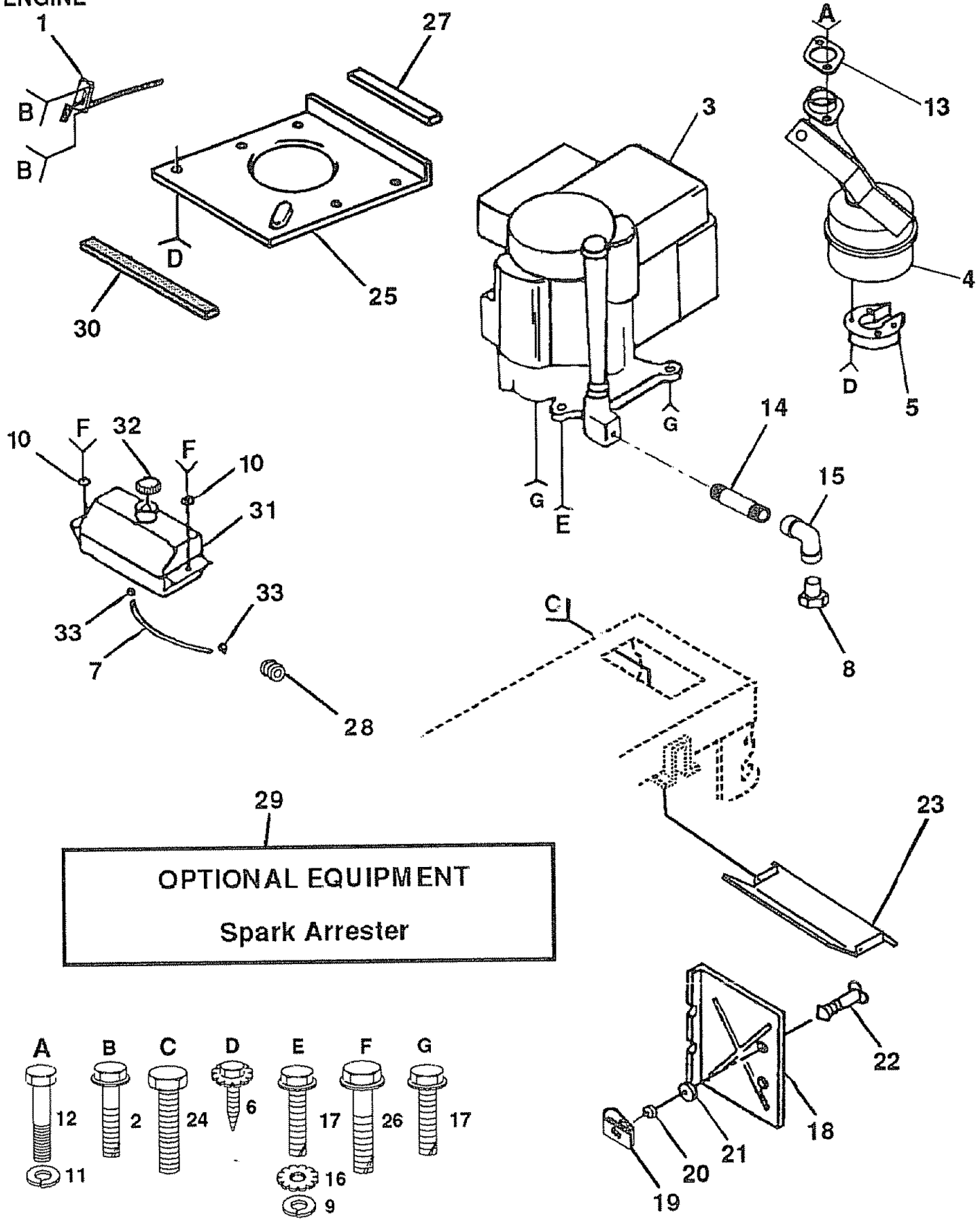
REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

ENGINE



REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

ENGINE

KEY NO.	PART NO.	DESCRIPTION
1	132761	Control, Throttle
2	17720410	Screw, Hex Head, Thread Cutting 1/4-20 x 5/8 Type T
3	132504	Engine, Tecumseh, 12.5 HP, Model Number 143.426122
4	122983X	Muffler, Exhaust
5	101326L	Deflector, Muffler
6	17030808	Screw, Hex, Spiderlock #8 x 1/2
7	101335K	Line, Fuel
8	- - -	Plug, Oil Drain (Order From Engine Manufacturer)
9	11150400	Washer, Lock, Internal Tooth 1/4
10	19091416	Washer 9/32 x 7/8 x 16 Gauge
11	STD551131	Washer, Lock
12	123528X	Bolt, Hex Head
13	2949R	Gasket, Muffler
14	13280324	Nipple, Pipe 3/8 NPT x 3
15	13200300	Elbow, Standard 90° 3/8-18 NPT
16	11050600	Washer, Lock, External Tooth 3/8
17	17490620	Screw, Hex Head, Thd. Roll. 3/8-16 x 1-1/4 Type TT
18	105736X	Shield, Heat
19	105839X	Receptacle, 1/4 Turn
20	105838X	Retainer, 1/4 Turn
21	STD551025	Washer
22	123650X	Stud, 1/4 Turn
23	128953	Shield, Heat
24	STD601005	Screw
25	124027X	Shield, Heat, Hood
26	17490412	Screw, Hex Washer Head, Thd. Roll. 1/4-20 x 3/4
27	105037X	Strip, Foam
28	124028X	Bushing, Snap, Fuel Line
29	121851X	Spark Arrestor Kit
30	127057X	Strap, Hood
31	109202X	Tank, Fuel
32	123549X	Cap, Fuel Tank
33	123487X	Clamp, Hose

NOTE: All component dimensions given in U.S. inches
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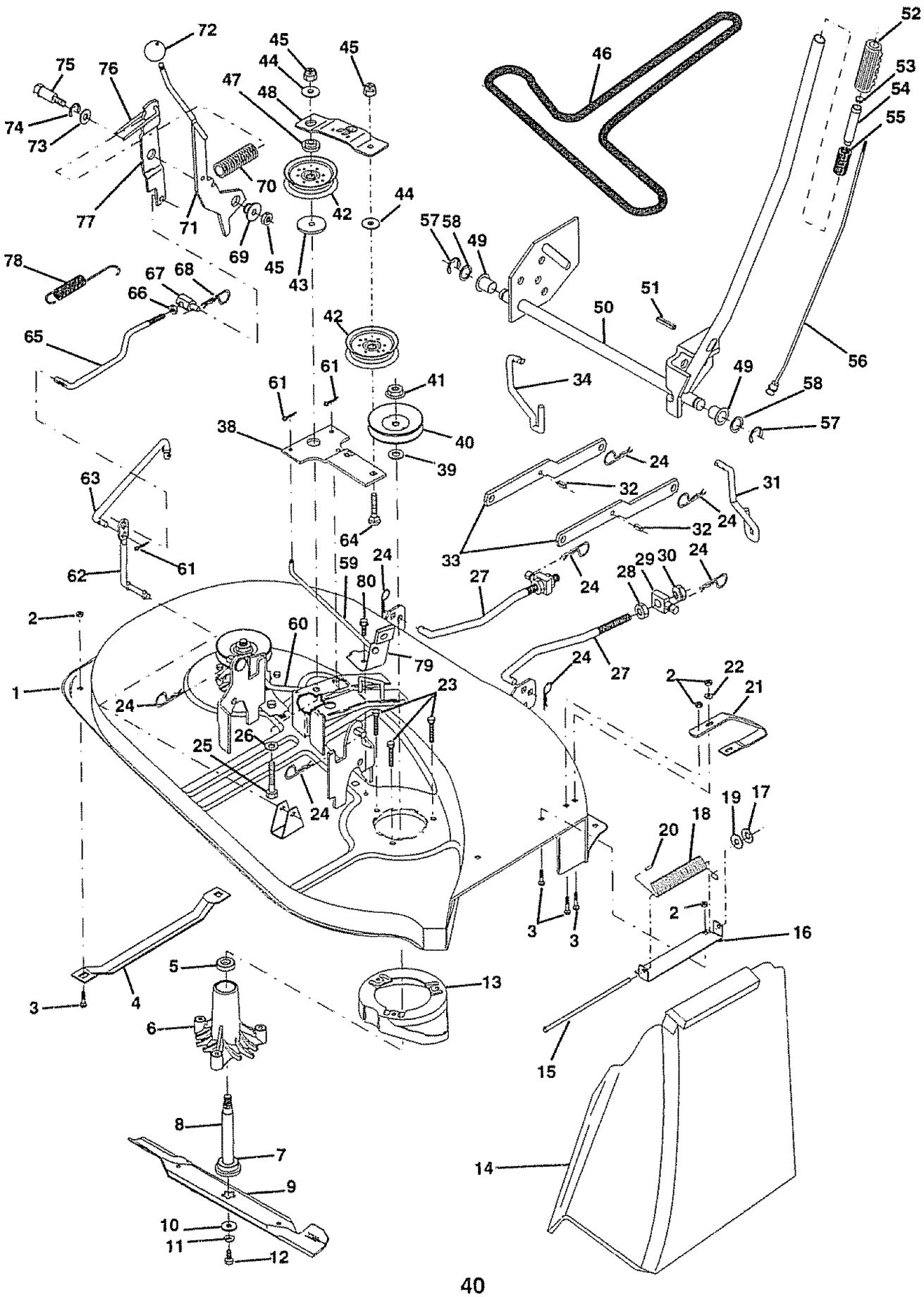
REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

38" MOWER DECK



REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

38" MOWER DECK

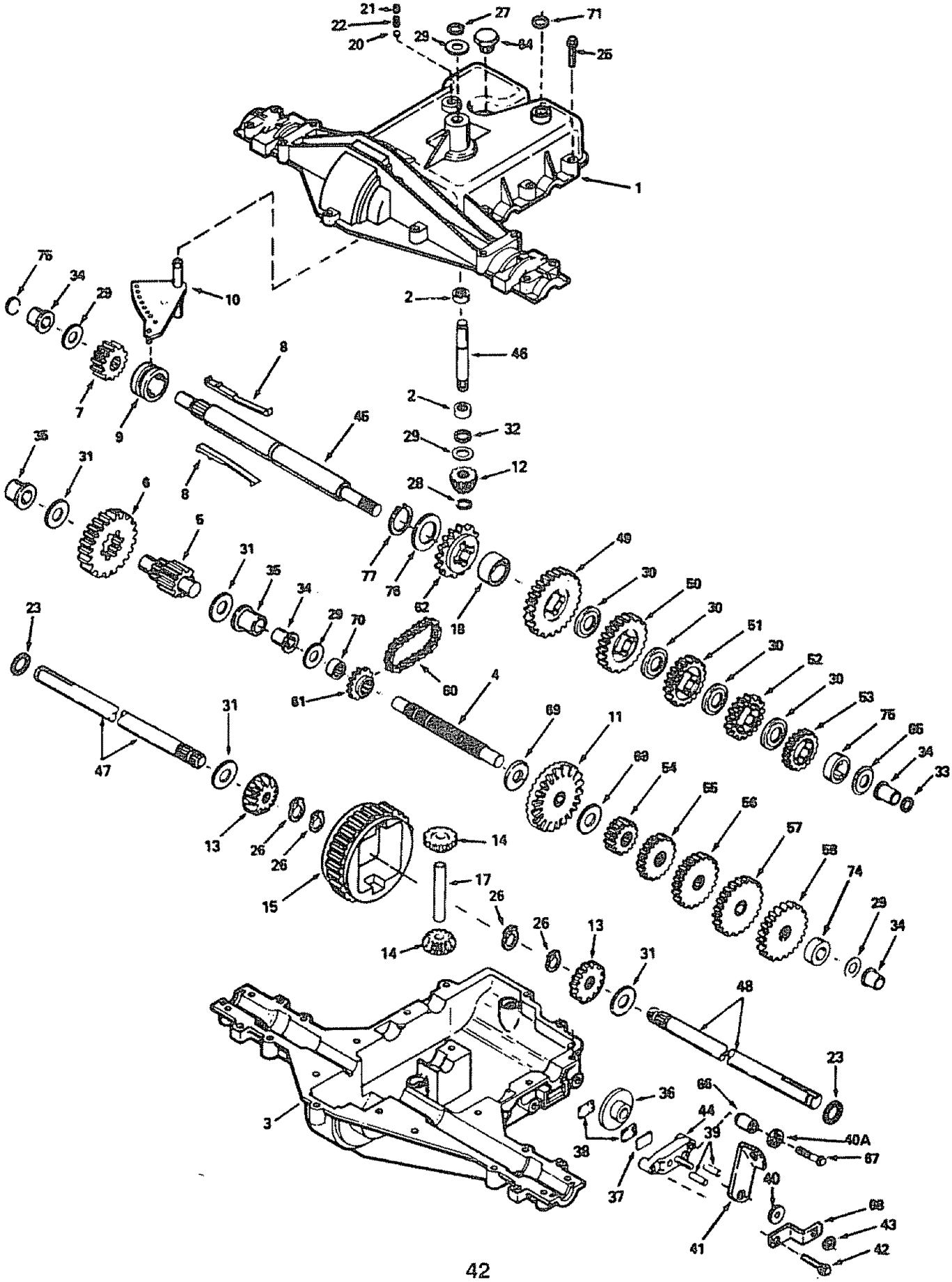
KEY NO.	PART NO.	DESCRIPTION
1	129365	Mower Assembly, 38"
2	STD541431	Nut, Crownlock 5/16-18
3	STD533107	Bolt, Carriage 5/16-18 x 3/4
4	7631J	Runner, LH
5	110485X	Ball Bearing, Mandrel
6	128774	Housing Assembly, Vented Mandrel
7	129895	Ball Bearing
8	133172	Shaft and Bearing Assembly (Includes Key Number 7)
9	127842	Blade, Mower, High Performance
10	129962	Washer, Hardened
11	STD551137	Washer, Lock, Heavy Helical Spring 3/8
12	850857	Bolt, Blade 3/8-24 x 1-1/4 Grade 8
13	128961	Stripper, Mower
14	106736X	Shield, Deflector
15	106735X	Rod, Hinge
16	105896X	Bracket, Deflector, Mower
17	110452X	Nut, Push
18	106734X	Spring, Deflector
19	19111016	Washer 11/32 x 3/4 x 16 Gauge
20	105304X	Cap, Sleeve
21	128772	Runner, RH
22	19111216	Washer 11/32 x 3/4 x 16 Gauge
23	78158	Bolt, Mandrel
24	STD624008	Retainer, Spring
25	74600636	Bolt, Hex Head 3/8-16 x 2-1/4
26	19131612	Washer 13/32 x 1 x 12 Gauge
27	127218	Link, Front
28	73350800	Nut, Hex, Jam 1/2-13
29	130171	Trunnion
30	73800800	Nut, Crownlock 1/2-13
31	135388	Lift, Link, RH
32	135563	Pin, Spring 5/16-3/4
33	130832	Suspension Arm, Rear
34	134619	Link, Lift, LH
38	133840	Idler Arm Assembly
39	129963	Washer, Spacer
40	129206	Pulley, Mandrel, Single
41	73050900	Nut, Flangelock 9/16
42	131494	Pulley, Idler, Flat
43	122052X	Spacer, Retainer 1-3/4
44	19131612	Washer 13/32 x 1 x 12 Gauge
45	STD541437	Nut, Crownlock 3/8-16
46	131290	Belt
47	133502	Spacer, Retainer
48	133503	Stiffener, Idler Arm
49	120183X	Bearing, Nylon
50	122507X	Shaft Assembly, Lift
51	105767X	Pin, Groove
52	125631X	Grip, Handle
53	122365X	Button, Plunger
54	122364X	Plunger, Lever
55	122512X	Spring
56	122514X	Rod, Lever
57	STD581062	E-Ring
58	19211416	Washer 21/32 x 7/8 x 16 Gauge
59	131288	Rod, Brake, RH
60	131289	Rod, Brake, LH
61	STD560907	Pin, Cotter 3/32 x 3/4
62	133551	Rod, Pivot
63	133504	Rod, Clutch, Secondary
64	STD533717	Bolt, Carriage 3/8-16 x 1-3/4
65	133550	Rod, Clutch, Primary
66	73350600	Nut, Hex, Jam 3/8-16
67	133205	Trunnion 3/8-16
68	STD624003	Retainer, Spring
69	127498	Bushing
70	128759	Spring
71	133573	Primary Clutch Arm
72	106932X	Knob
73	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
74	12000029	Ring, Klip
75	128903	Bolt, Shoulder
76	127845	Keeper, Spring
77	127847	Secondary Clutch Arm
78	131870	Spring, Return
79	130840	Brake Assembly
80	17490512	Screw, Hex Head, Thd. Roll. 5/16-18 x 3/4
- -	131455	Mower Deck, Complete
- -	130794	Mandrel Assembly (Includes Key Numbers 5-8, 10-12, 39 and 41)

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

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

PEERLESS TRANSAXLE - MODEL NUMBER



REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

PEERLESS TRANSAXLE - MODEL NUMBER 4360.06

REF NO.	PART NO.	DESCRIPTION
1	772108	Cover, Transaxle
2	780086	Bearing, Needle
3	770102	Case, Transaxle
4	776260	Shaft, Counter
5	776219	Shaft and Pinion Assembly, Output
6	778139	Gear, Output
7	778136	Gear, Spur, 15 Teeth
8	792136	Key
9	784352	Collar, Shifter
10	784355	Rod and Fork Assembly, Shift
11	778229	Gear, Bevel, 42 Teeth
12	778113A	Bevel Pinion, Input
13	778221	Gear, Bevel
14	778068	Gear, Bevel Pinion
15	778260	Gear, Ring
17	786139	Pin, Drive
18	786102	Spacer, Neutral
20	792077	Ball, Steel, 5/16 diameter
21	792078	Screw, Set 3/8-16 x 3/8
22	792079	Spring
23	788061	Ring, Felt
25	792073	Screw, Flanged Hex Head, Thread Forming 1/4-20 x 1-1/4
26	792125	Ring, Retainer (4 Required, Package Of 2)
27	792035	Ring, Retainer
28	788040	Ring, Retainer
29	780072	Washer, Thrust
30	780108	Washer, Thrust
31	780001	Washer
32	792001	"O" Ring
33	788051	Seal, Square Cut
34	780105A	Bushing, Flanged
35	780118A	Bushing, Flanged
36	790003	Disk, Brake
37	790007	Plate, Brake Pad
38	790006	Pad, Brake
39	786026	Pin, Dowel
40	792076	Washer, Flat
40A	792128	Washer, Flat

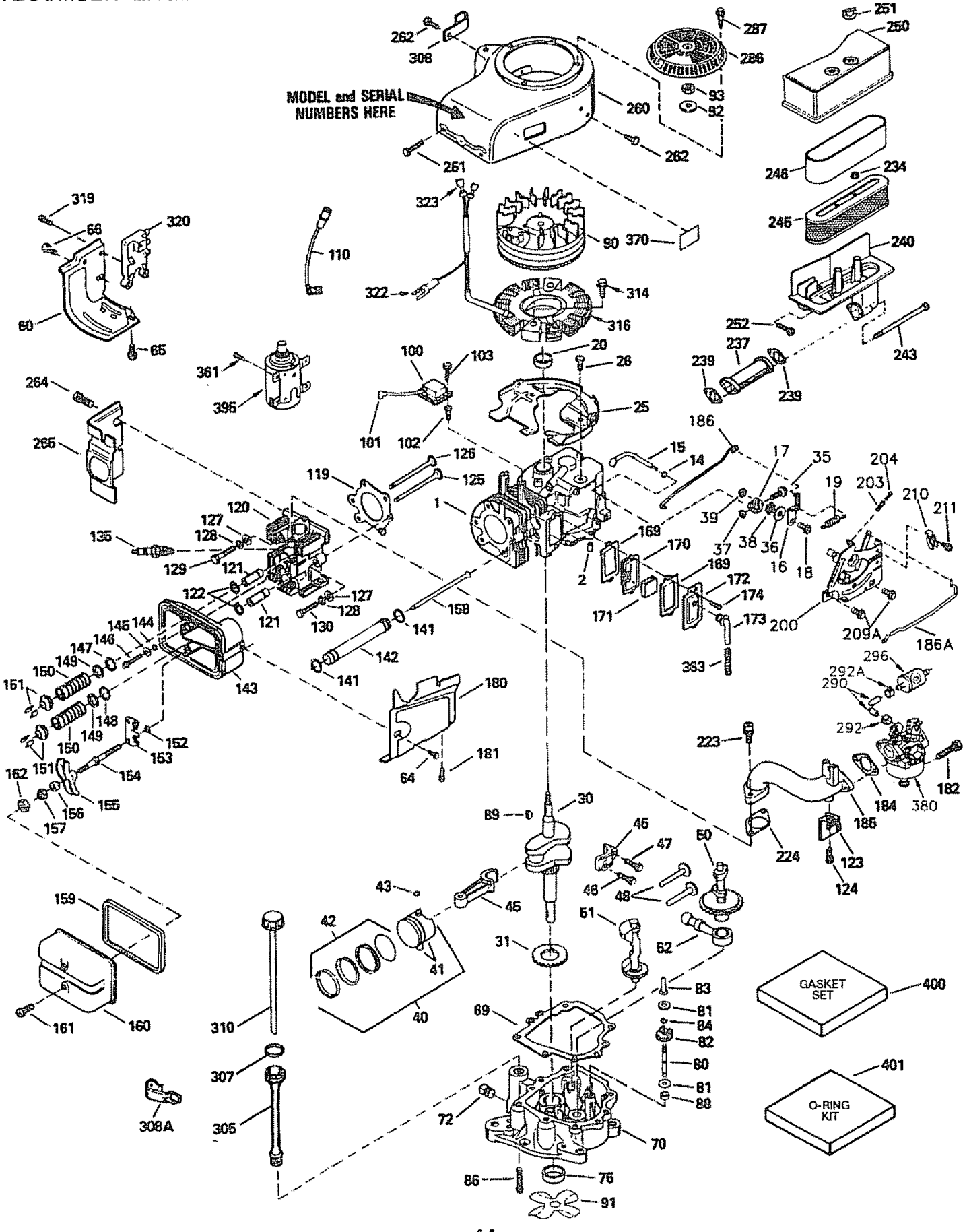
REF NO.	PART NO.	DESCRIPTION
41	790047	Lever, Brake
42	792073	Screw, Flanged Hex Head, Thread Forming 1/4-20 x 1-1/4
43	792075	Locknut 5/16-24
44	790025	Holder, Brake Pad
45	776315A	Shaft, Brake, 4-Keyed
46	776135	Shaft, Input
47	774690	Axle, 11-15/16
48	774691	Axle, 16-1/2
49	778191	Gear, Spur, 37 Teeth
50	778124A	Gear, Spur, 30 Teeth
51	778123A	Gear, Spur, 25 Teeth
52	778122A	Gear, Spur, 22 Teeth
53	778209	Gear, Spur, 19 Teeth
54	778230	Gear, Spur, 12 Teeth
55	778126A	Gear, Spur, 20 Teeth
56	778127A	Gear, Spur, 25 Teeth
57	778128A	Gear, Spur, 28 Teeth
58	778163	Gear, Spur, 31 Teeth
60	786081	Chain, Roller (Number 41 Chain, 24 Links)
61	786082	Sprocket, 9 Teeth
62	786123	Sprocket, 18 Teeth
64	792074	Plug, Hex Head, Threaded 9/16-18
65	780139	Washer, Thrust
66	786067	Spacer
67	792085	Screw, Flanged Hex Head, Thread Forming 1/4-20 x 2-1/4
68	786086	Bracket, Brake Lever
69	780051	Washer, Thrust
70	786118	Spacer
71	788069	Seal, Square Cut
72	786116	Disk
74	786071	Spacer
75	786072	Spacer
76	780090	Washer, Thrust
77	788075	Ring, Retaining

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

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

TECUMSEH ENGINE - MODEL NUMBER 143.426122



REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

TECUMSEH ENGINE - MODEL NUMBER 143.426122

REF NO.	PART NO.	DESCRIPTION
1	35323A	Cylinder Assembly (Includes Reference Numbers 2 and 20)
2	27652	Pin, Dowel
14	28277	Washer, Flat
15	35324	Rod, Governor
16	35520	Lever, Governor
17	29916	Clamp, Throttle Lever
18	650548	Screw, Hex Washer Head #8-32 x 5/16
19	35945	Spring, Control
20	35319	Seal, Oil
25	35326	Baffle, Blower Housing
26	650561	Screw, Hex Washer Head, Durlok, 1/4-20 x 5/8
30	35336A	Crankshaft Assembly, Counterbalance
31	35327	Gear, Counterbalance
35	29826	Screw, Hex Washer Head #10-32 x 3/4
36	29918	Washer, Lock, External Tooth
37	29216	Nut and Lock Washer, Keps, #10-32
38	29642	Ring, Retaining
39	30322	Nut and Lock Washer #8-32
40	35776	Piston, Pin and Ring Assembly, Standard Size (Includes Reference Numbers 41, 42 and 43)
	35777	Piston, Pin and Ring Assembly, .010" Oversize (Includes Reference Numbers 41, 42 and 43)
	35778	Piston, Pin and Ring Assembly, .020" Oversize (Includes Reference Numbers 41, 42 and 43)
41	35773	Piston and Pin Assembly, Standard Size (Includes Ref. Number 49)
	35774	Piston and Pin Assembly, .010" Oversize (Includes Ref. Number 49)
	35775	Piston and Pin Assembly, .020" Oversize (Includes Ref. Number 49)
42	35779	Ring Set, Piston, Standard Size
	35780	Ring Set, Piston .010" Oversize
	35781	Ring Set, Piston .020" Oversize
43	35772	Ring, Piston Pin Retaining
45	35330A	Rod Assembly, Connecting (Includes Ref. Numbers 46 and 47)
46	650908	Bolt, Connecting Rod
47	650882	Bolt, Connecting Rod
48	35313	Lifter, Valve
50	35939	Camshaft Assembly, Mechanical Compression Release
51	35315	Weight Assembly, Counterbalance
52	31356	Pump Assembly, Oil
60	35316	Extension, Blower Housing
64	30063	Screw, Sems, Torx T-30 1/4-20 x 1/2
65	650128	Screw, Sems, Hex Head #10-24 x 1/2
66	30063	Screw, Sems, Torx T-30 1/4-20 x 1/2
69	35317	* Gasket, Mounting Flange
70	35711A	Flange, Mounting (Includes Reference Numbers 72, 75 and 80)
72	31927	Plug, Oil Drain
75	35319	Seal, Oil
80	35712	Shaft, Governor
81	35479	Washer, Flat
82	35321	Gear Assembly, Governor
83	35322	Spool, Governor
84	29193	Ring, Retaining
86	650833	Screw, Hex Washer Head, Powerlok 1/4-20 x 1-3/16
88	31707A	Spacer, Governor Gear
89	32589	Key, Flywheel
90	611177	Flywheel
91	35935	Fan, Crankshaft
92	650880	Washer, Lock
93	650881	Nut, Flywheel
100	35135	Solid State Assembly
101	610118	Cover, Spark Plug
102	650872	Stud, Solid State Assembly
103	650814	Screw, Sems, Torx T-15, Hex Washer Head #10-24 x 1
110	36225	Wire Assembly, Ground
119	35854	Gasket, Cylinder Head
120	35307	Head Assembly, Cylinder
121	730218	Valve Guide Kit (Includes 2 of Reference Number 122)
122	792035	Ring, Retaining
123	35288	Brace, Intake Pipe
124	650738	Screw, Hex Washer Spinlock Head, Thread Forming 1/4-20 x 5/8
125	35308	Valve, Exhaust, Standard Size
	35433	Valve, Exhaust, 1/32" Oversize
126	35309	Valve, Intake, Standard Size
	35432	Valve, Intake, 1/32" Oversize
127	650691	Washer, Flat
128	650690	Washer, Belleville
129	650746	Screw, Hex Head 5/16-18 x 3/8
130	650692	Screw, Hex Head 5/16-18 x 1-3/4
135	34046	Spark Plug, Resistor Type (Champion RL-86C Or Equivalent)
141	33481	*** "O" Ring
142	35475	Tube, Push Rod
143	35310	Housing, Rocker Arm
144	33484	** "O" Ring
145	650168	Washer, Flat

* Indicates Parts Included in Gasket Set, Reference Number 400

** Indicates Parts Included in "O" Ring Kit, Reference Number 401

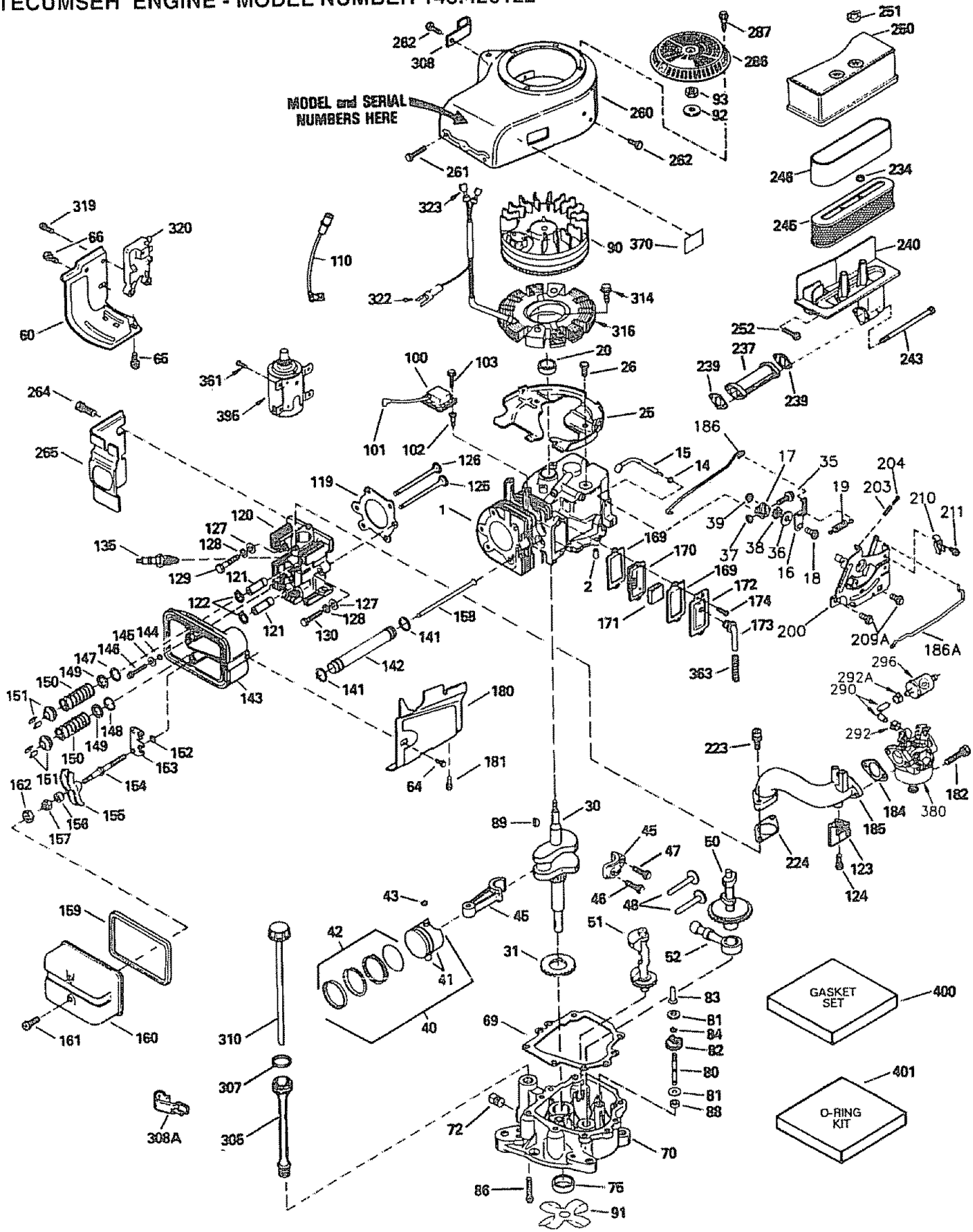
*** Indicates Parts Included in both Gasket Set and "O" Ring Kit, Reference Numbers 400 and 401

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

REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

TECUMSEH ENGINE - MODEL NUMBER 143.426122



REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

TECUMSEH ENGINE - MODEL NUMBER 143.426122

REF NO.	PART NO.	DESCRIPTION
146	32610A	Screw, Flanged Hex Head 1/4-20 x 29/32
147	33509	*** "O" Ring, Intake
148	34410	*** "O" Ring, Exhaust
149	33510	Cap, Valve Spring
150	33507	Spring, Valve
151	33508	Cap, Valve Spring Keeper
152	35295	*** "O" Ring
153	35296	Guide, Push Rod
154	650878	Stud, Rocker Arm
155	35297	Arm, Rocker
156	35298	Bearing, Rocker Arm
157	28264	*** Nut Assembly (Includes Reference Number 162)
158	35466	Rod, Push
159	35299B	*** "O" Ring Assembly (Includes Reference Number 161)
160	35300	Cover, Rocker Arm Housing
161	650879	Screw, Torx T-20, Truss Head, Thread Cutting, with Sealing Lock Washer #8-32 x 1/2
162	650903	*** Nut, Hex, Jam
169	27896A	* Gasket, Valve Cover
170	28423	Body, Breather
171	28424	Element, Breather
172	28425	Cover, Valve Spring Box
173	35350	Tube, Breather
174	650128	Screw, Sems, Hex Head #10-24 x 1/2
180	35301	Extension, Blower Housing
181	650128	Screw, Sems, Hex Head #10-24 x 1/2
182	650517	Screw, Sems, Hex Head 1/4-20 x 13/16
184	33263	Gasket, Carburetor to Intake Pipe
185	35856	Pipe, Intake
186	35522	Link, Governor
186A	35957	Link, Choke
200	35956	Bracket Assembly, Control (Includes Reference Numbers 19, 203 and 204)
203	33802	Spring, Compression
204	650777	Screw, Fillister Head #6-32 x 21/32
209A	650902	Screw, Sems, Hex Washer Head #10-32 x 7/16
210	27793	Clip, Conduit
211	28942	Screw, Sems, Hex Washer Head #10-32 x 3/8
223	792028	Screw, Sems, Hex Head 5/16-18 x 7/8
224	33515A	* Gasket, Intake Pipe
234	650825	Nut and Lock Washer, Sealing 1/4-20
237	35286	Adapter, Air Cleaner
239	33629	* Gasket, Air Cleaner Elbow
240	35402B	Body Assembly, Air Cleaner (Includes Reference Number 239)
243	650875	Screw, Sems, Fillister Head #10-32 x 5-1/4
245	35403	Element, Air Cleaner (Includes Reference Number 251)
246	35404	Filter, Poly Pre-Cleaner
250	35405	Cover, Air Cleaner
251	650886	Nut, Wing 1/4-20
252	650887	Screw, Hex Washer Head, Self-Drilling, Self-Tapping 1/4-20 x 1
260	35793	Housing, Blower
261	30063	Screw, Sems, Torx T-30, Hex Washer Head 1/4-20 x 1/2
262	29747B	Screw, Sems, Hex Head 5/16-24 x 21/32
264	650273	Screw, Sems, Hex Head 5/16-18 x 5/8
265	35290	Cover, Cylinder Head
286	35792	Screen, Debris
287	650936	Screw, Hex Washer Head, Shoulder #10-32 x 13/32
290	30705	Line, Fuel
292	26460	Clamp, Fuel Line
292A	35864	Clamp, Fuel Filter to Fuel Line
296	34279B	Filter, Fuel (Includes Reference Numbers 292 and 292A)
305	35574	Tube, Oil Fill
307	35499	"O" Ring
308	33997	Clip, Oil Fill Tube
308A	35437	Clip, Oil Fill Tube
310	35576	Dipstick, Oil
314	650873	Screw, Sems, Hex Head 1/4-20 x 3/4
316	~~611175~~ 611176	Coil Assembly, Alternator, 5 Amp D.C. ~~(Includes Reference Numbers 322 and 323)~~
319	650735	Screw, Sems, Hex Head #10-24 x 3/8
320	611175	Regulator Assembly
322	611117	Connector Body
323	611118	Terminal, Pin
361	30063	Screw, Sems, Hex Washer Head 1/4-20 x 1/2
363	34148	Spring, Coil
370	34346	Decal, Instruction
380	632490	Carburetor (Includes Reference Number 184)
395	35763A	Starter Motor, 12 Volt
400	35331B	Gasket Set (Includes All Items Marked *)
401	35332	"O" Ring Kit (Includes All Items Marked **)

RPM Settings: High Speed: 3200-3400
Low Speed: 1950-2250

* Indicates Parts Included in Gasket Set, Reference Number 400

** Indicates Parts Included in "O" Ring Kit, Reference Number 401

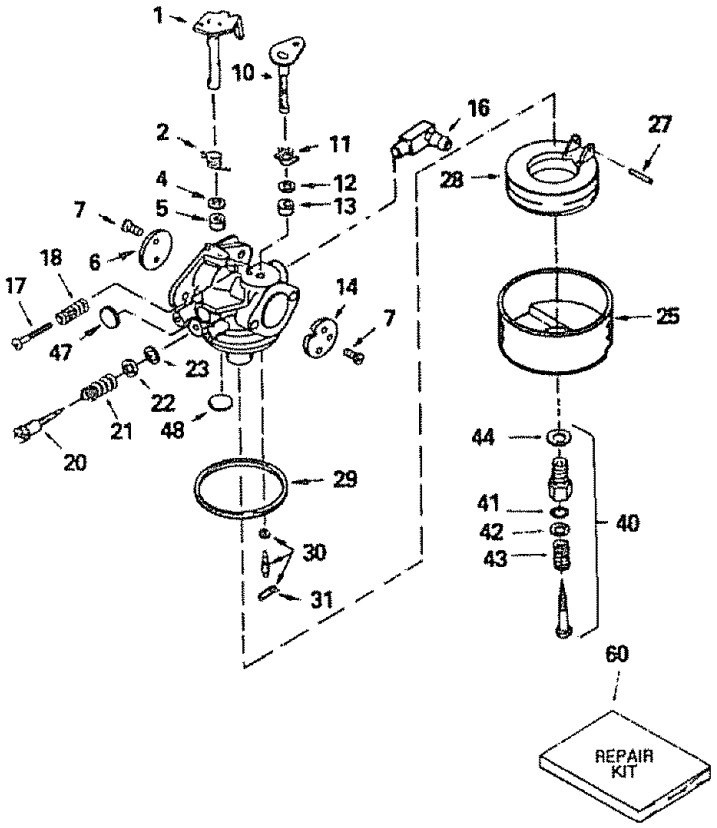
*** Indicates Parts Included in both Gasket Set and "O" Ring Kit, Reference Numbers 400 and 401

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

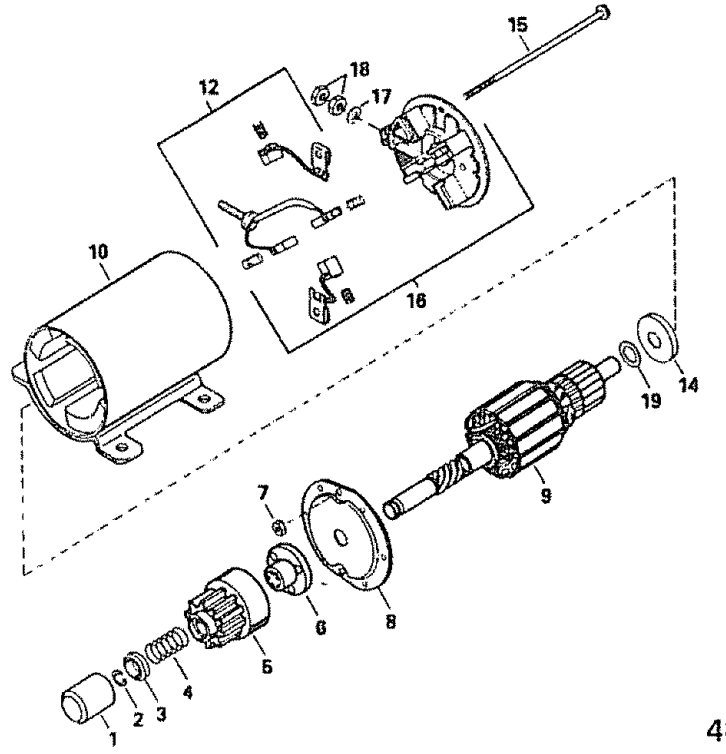
REPAIR PARTS

12.5 HP 38" TRACTOR - - MODEL NUMBER 917.254750

TECUMSEH ENGINE - MODEL NUMBER 143.426122



REF NO.	PART NO.	DESCRIPTION
1	632512	Throttle Shaft and Lever Assembly
2	632244	Throttle Return Spring
4	631184	Dust Seal Washer, Throttle
5	631971	Dust Seal, Throttle
6	632517	Throttle Shutter
7	650506	Throttle and Choke Shutter Screw
10	632472	Choke Shaft and Lever Assembly
11	632473	Choke Return Spring
12	631184	Dust Seal Washer, Choke
13	631183	Dust Seal, Choke
14	632429A	Choke Shutter
16	632527	Fuel Fitting
17	650417	Idle Speed Screw
18	630766	Tension Spring
20	632281	* Idle Mixture Screw
21	630766	Idle Tension Spring
22	630739	Washer, Idle Screw
23	630740	* "O" Ring, Idle Screw
25	631867	Float Bowl
27	631024	* Shaft, Float
28	632019	Float
29	631028	* "O" Ring, Float Bowl to Body
30	631021	* Inlet Needle, Seat and Clip (Includes Reference Number 31)
31	631022	Spring Clip
40	632239	* Main Adjustment Screw Assembly (Includes Ref. Numbers 41 thru 44)
41	630740	* "O" Ring, High Speed Mixture Screw
42	630739	Washer, High Speed Mixture Screw
43	630738	Tension Spring, High Speed Mixture Screw
44	27110	* Bowl Nut Washer
47	630748	* Welch Plug, Idle Mixture Well
48	631027	* Welch Plug, Atmospheric Vent
60	632347	Repair Kit (Includes Parts Marked *)



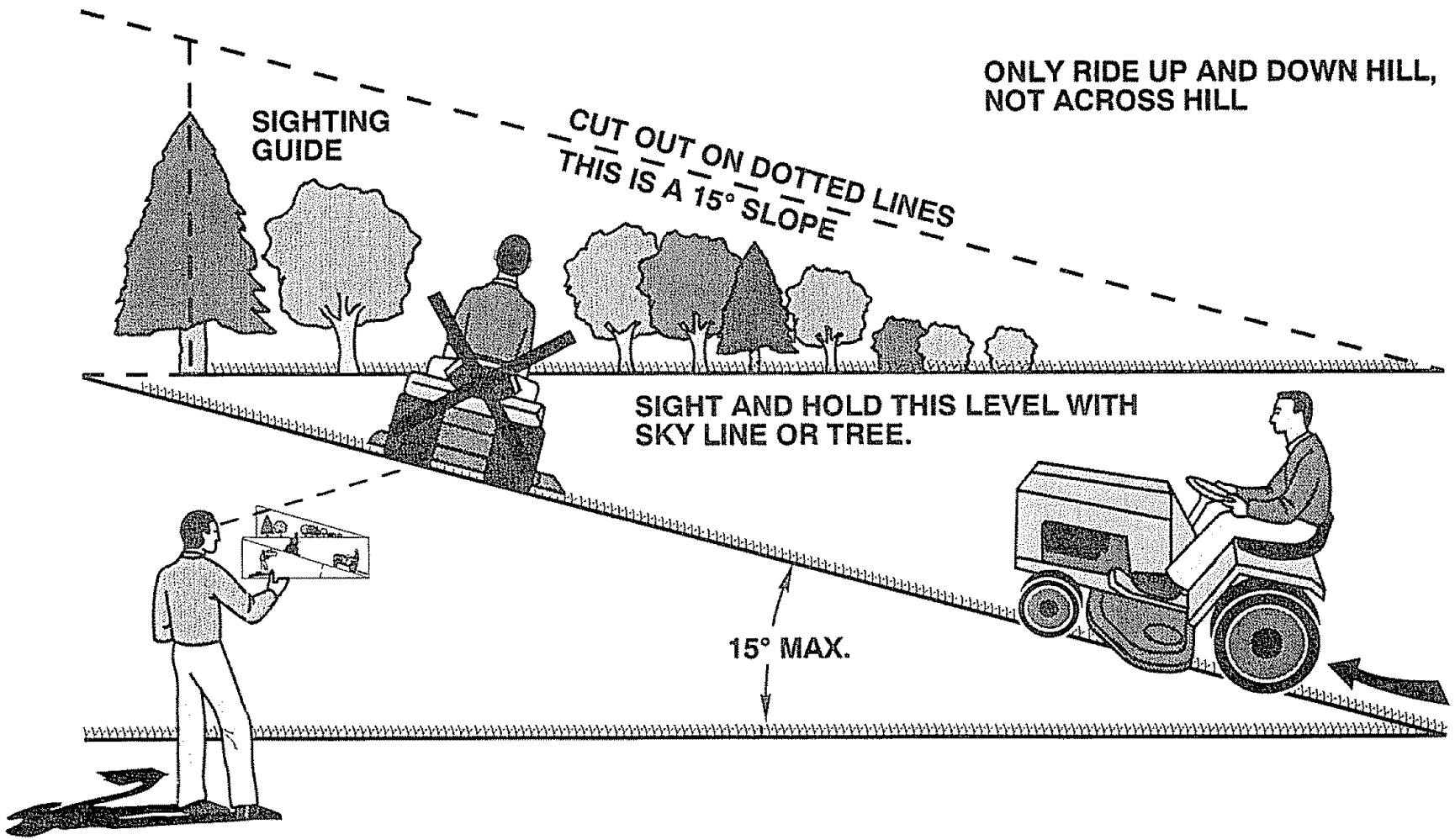
REF NO.	PART NO.	DESCRIPTION
- -	35763A	Starting Motor, Complete
1	33451	Cover, Dust
2	33842	Ring, Retainer
3	33430	Retainer, Spring
4	33854	Spring, Anti-Drift
5	33432	Gear
6	35893	Nut and Retainer (Includes Reference Number 2)
7	33450	Locknut
8	35894	Cap Assembly, Drive End
9	35895	Armature
10	35900	Housing Assembly
12	35896	Brush and Spring Kit
14	35897	Washer, Thrust
15	35898	Bolt #10-32 x 4-11/64
16	35899	Cap and Brush Card Assembly, Commutator End (Includes Ref. Numbers 12, 14, 17 and 18)
17	650168	Washer, Flat
18	650864	Nut, Hex
19	590500	Washer, Thrust

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

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. 917.254750

HOW TO ORDER REPAIR PARTS

CRAFTSMAN®

12.5 HP OHV ELECTRIC START 38" MOWER DECK 5 SPEED TRANSAXLE LAWN TRACTOR

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

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

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

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- PRODUCT - LAWN TRACTOR
- MODEL NUMBER - 917.254750
- ENGINE MODEL NUMBER - 143.426122
- 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.

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