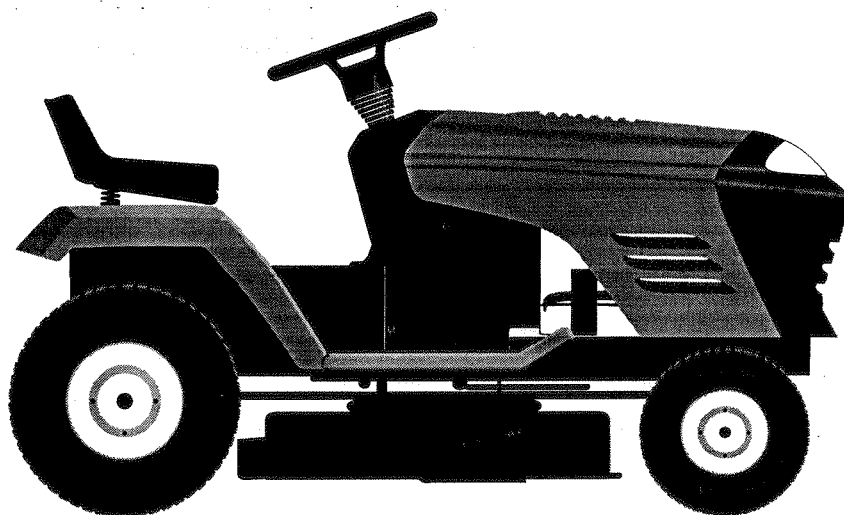


EZ³

SEARS
OWNER'S
MANUAL

MODEL NO.
944.609700



CRAFTSMAN[®]

**20.5 HP
ELECTRIC START
42" MOWER
6 SPEED TRANSAXLE
LAWN TRACTOR**

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

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



SAFETY RULES

Safe Operation Practices for Ride-On Mowers



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

I. GENERAL OPERATION

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

II. SLOPE OPERATION

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

DO:

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

DO NOT:

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

III. CHILDREN

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

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

IV. SERVICE

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



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



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

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

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Authorized 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	944.609700
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 owner's manual.

PRODUCT SPECIFICATIONS

HORSEPOWER:	20.5
GASOLINE CAPACITY AND TYPE:	3.5 GALLONS UNLEADED REGULAR
OIL TYPE (API-SF/SG/SH):	SAE 30 (above 32°F) SAE 5W-30 (below 32°F)
OIL CAPACITY:	3.0 PINTS
SPARK PLUG: (GAP: .030")	CHAMPION RJ19LM
VALVE CLEARANCE:	INTAKE: .005" - .007" EXHAUST: .009" - .011"
GROUND SPEED (MPH):	FORWARD: 1st 1.2 2nd 1.5 3rd 2.4 4th 3.5 5th 4.8 6th 5.7 REVERSE: 1.5
TIRE PRESSURE:	FRONT: 14 PSI REAR: 10 PSI
CHARGING SYSTEM:	3 AMPS BATTERY 5 AMPS HEADLIGHTS
BATTERY:	AMP/HR: 30 MIN. CCA: 240 CASE SIZE: U1R
BLADE BOLT TORQUE:	30-35 FT. LBS.

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

A spark arrester for the muffler is available through your nearest Sears Authorized Service Centre/Department (See REPAIR PARTS section of this manual).

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LIMITED TWO (2) YEAR WARRANTY ON CRAFTSMAN TRACTOR (RIDING EQUIPMENT)

For Two (2) years from date of purchase Sears Canada, Inc. will repair or replace at Sears option free of charge parts which are defective as a result of material or workmanship.

FULL ONE (1) YEAR WARRANTY ON BATTERY

For One (1) year 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.

COMMERCIAL OR RENTAL USE

Warranty on Riding Equipment used for commercial or rental purposes is limited to ninety (90) days.

This Warranty does **NOT** cover:

1. Pre-delivery set-up.
2. Tire replacement or repair caused by punctures from outside objects (such as nails, thorns, stumps, or glass).
3. Expendable items which become worn during normal use, such as blades, spark plug, air cleaners and belts.
4. Repairs necessary because of operator abuse or negligence, including damaged jackshaft or mandrel and the failure to operate and maintain the equipment according to the instructions contained in the Owner's Manual.
5. In Home service.

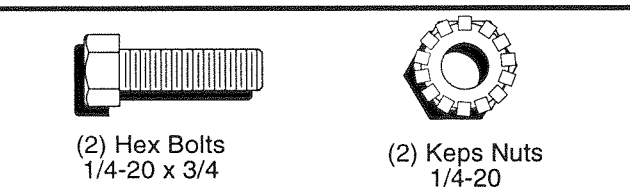
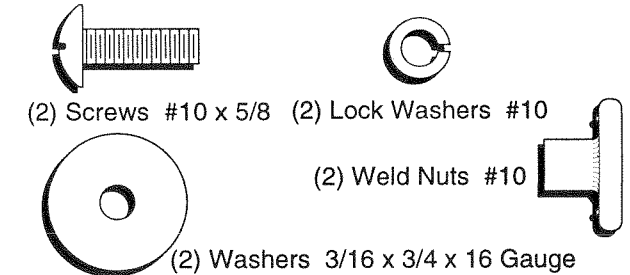
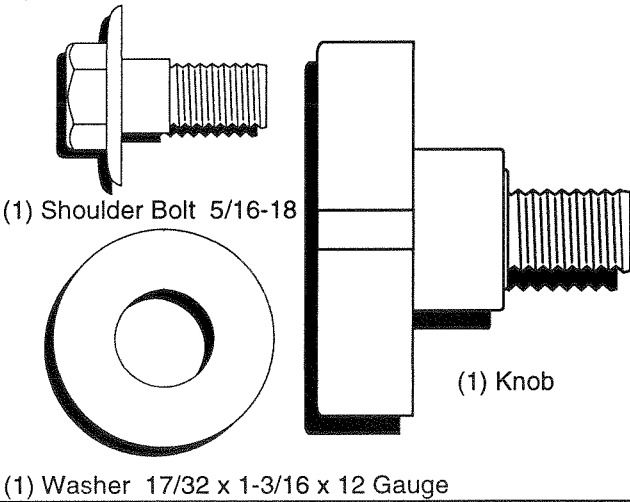
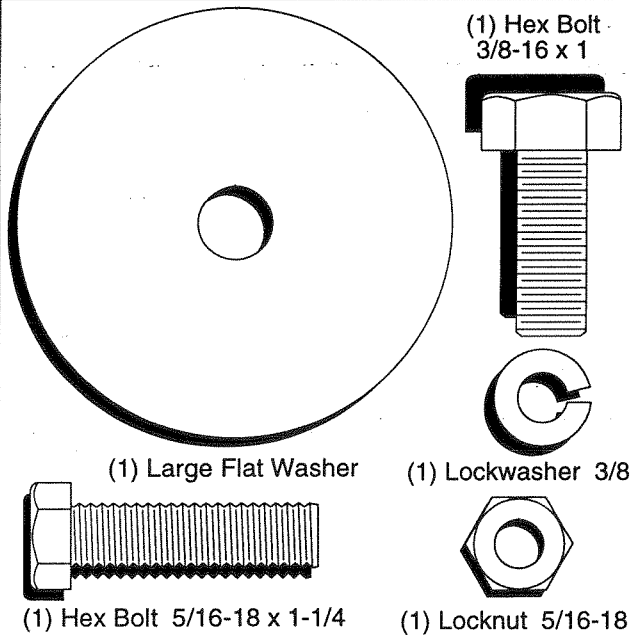
Warranty service is available by returning the Craftsman Riding Equipment to the nearest Sears Service Centre/Department in Canada. This warranty applies only while this product is in use in Canada.

This warranty is in addition to any statutory warranty and does not exclude or limit legal rights you may have but shall run concurrently with applicable provincial legislation. Furthermore, some provinces do NOT allow limitation on how long an implied warranty will last so the above limitations may not apply to you.

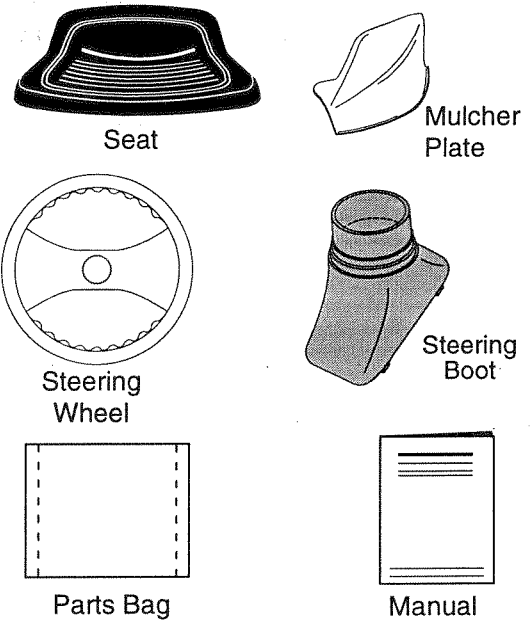
SEARS CANADA, INC., TORONTO, ONTARIO M5B 2B8

CONTENTS OF HARDWARE PACK

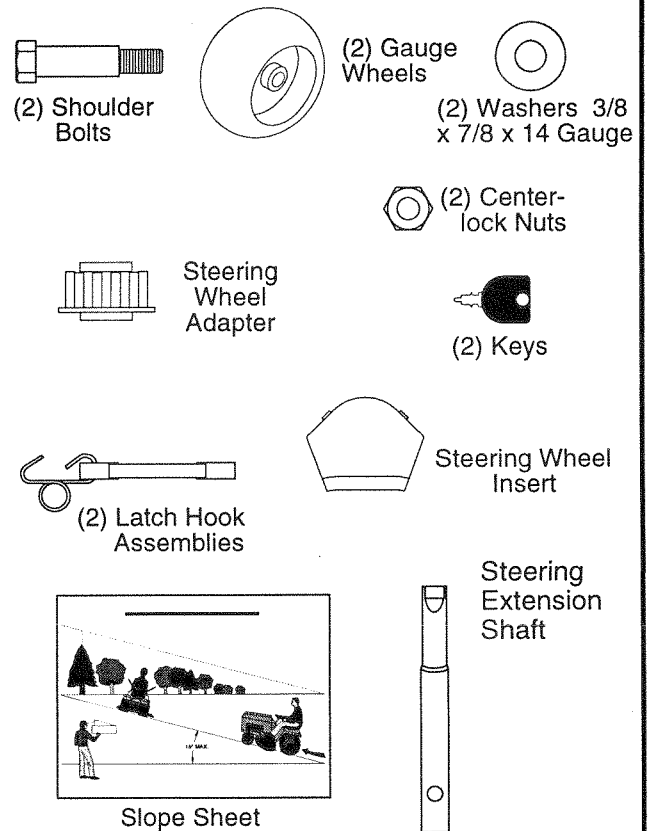
Parts Bag contents shown full size



Parts packed separately in carton



Parts bag contents not shown full size



ASSEMBLY

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

TOOLS REQUIRED FOR ASSEMBLY

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

- (1) Phillips screwdriver
- (2) 7/16" wrenches
- (2) 1/2" wrenches
- (1) Utility knife
- (1) 9/16" wrench
- (1) Tire pressure gauge
- (1) 3/4" socket with drive ratchet

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, from top to bottom, along lines on all four corners of carton, and lay panels flat.
- Check for any additional loose parts or cartons and remove.

BEFORE ROLLING TRACTOR OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

ASSEMBLE EXTENSION SHAFT AND BOOT

- Slide extension shaft onto lower steering shaft. Align mounting holes in extension and lower shafts and install 5/16 hex bolt and locknut. Tighten securely.

IMPORTANT: TIGHTEN BOLT AND NUT SECURELY TO 18-22 FT. LBS TORQUE.

- Place tabs of steering boot over tab slots in dash and push down to secure.

INSTALL STEERING WHEEL

- Position front wheels of the tractor so they are pointing straight forward.
- Slide steering wheel adapter onto steering shaft extension.
- Position steering wheel and sleeve assembly so cross bars are horizontal (left to right) and slide inside boot and onto adapter.
- Assemble large flat washer, 3/8 lock washer, 3/8 hex bolt and tighten securely.
- Snap steering wheel insert into center of steering wheel.
- Remove protective materials from tractor hood and grill.

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

TO ROLL TRACTOR OFF SKID (See Fig. 7)

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

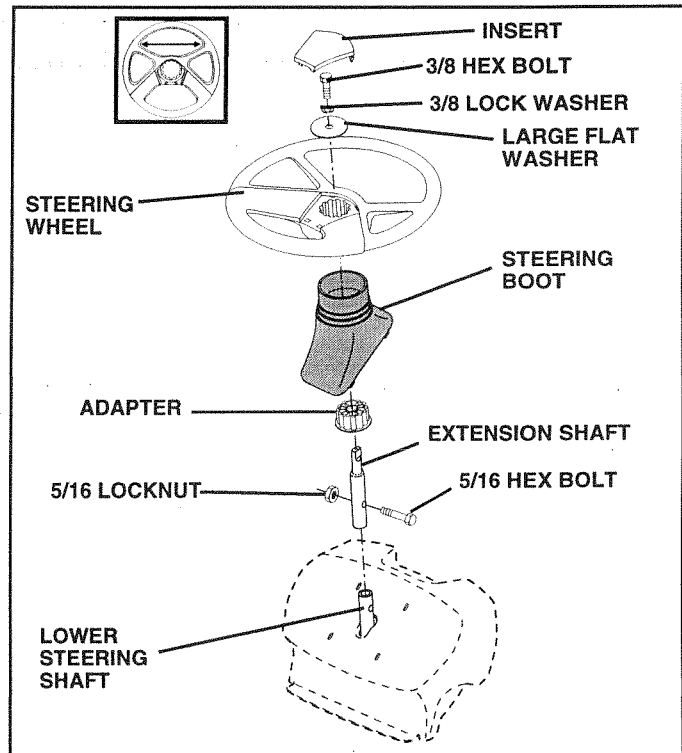


FIG. 1

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



CAUTION: Do not short battery terminals by allowing a wrench or any other object to contact both terminals at the same time. Before connecting battery, remove metal bracelets, wristwatch bands, rings, etc.

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

- Lift hood to raised position.
- Open terminal access doors, remove terminal protective caps and discard.
- If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps.
- First connect RED battery cable to positive (+) battery terminal with hex bolt and keps nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt and keps nut. Tighten securely.
- Close terminal access doors.

ASSEMBLY

Use terminal access doors for:

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

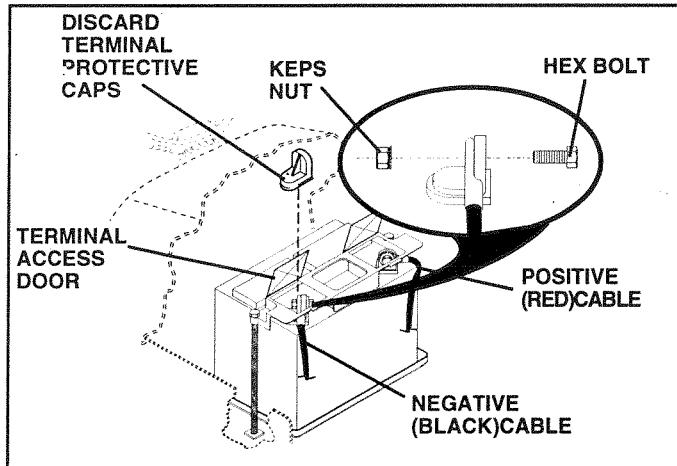


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment knob.

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

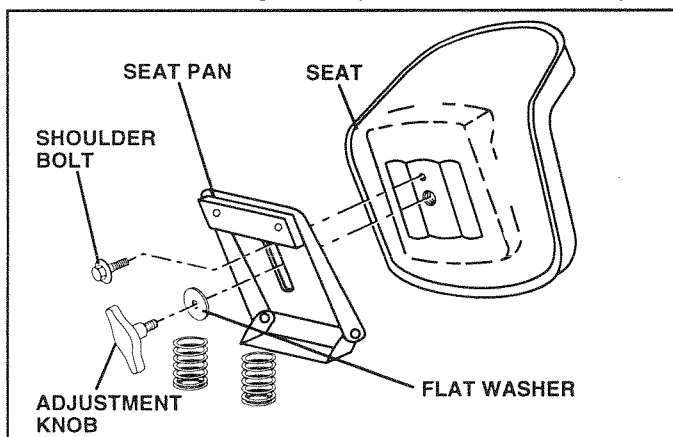


FIG. 3

CHECK TIRE PRESSURE

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

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

CHECK DECK LEVELNESS

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

CHECK FOR PROPER POSITION OF ALL BELTS

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

CHECK BRAKE SYSTEM

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

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

The gauge wheels are designed to keep the mower deck in proper position when operating mower. Be sure they are properly adjusted to ensure optimum mower performance.

- Assemble gauge wheels with tractor on a flat level surface.
- Adjust mower to desired cutting height (See "TO ADJUST MOWER CUTTING HEIGHT" in the Operation section of this manual).
- With mower in desired height of cut position, gauge wheels should be assembled so they are slightly off the ground. Install gauge wheel in appropriate hole with shoulder bolt, 3/8 washer, and 3/8-16 locknut and tighten securely.
- Repeat for opposite side installing gauge wheel in same adjustment hole.

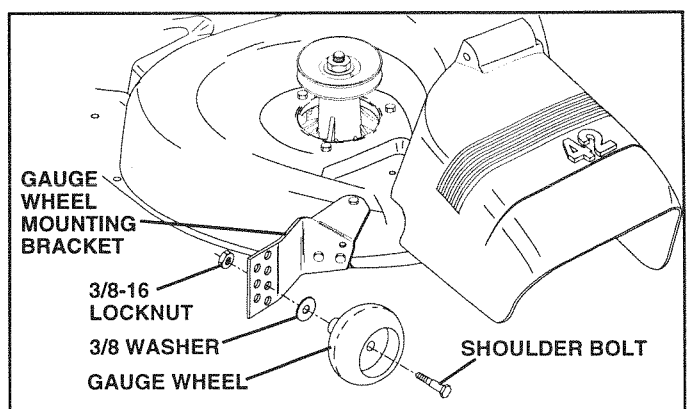


FIG. 4

ASSEMBLY

INSTALL MULCHER PLATE (See Figs. 5 & 6)

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

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

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



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

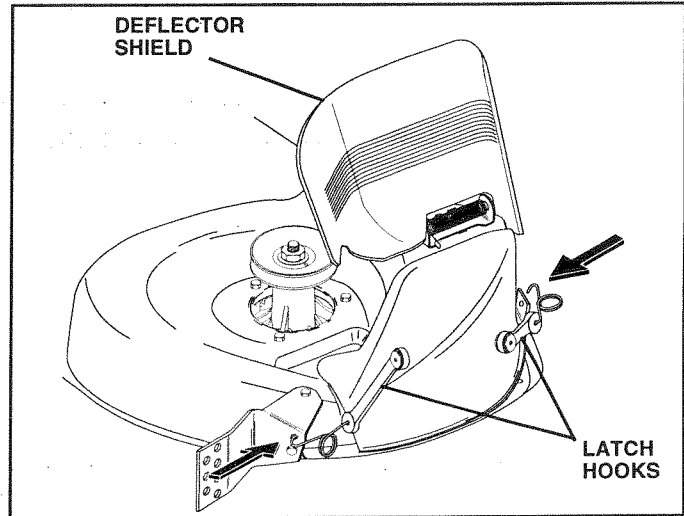


FIG. 6

TO CONVERT TO BAGGING OR DISCHARGING

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

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

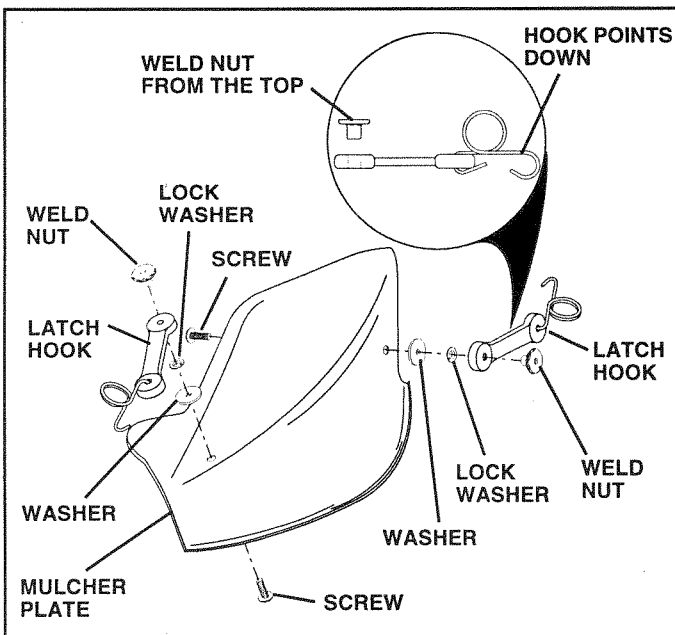


FIG. 5

✓ 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:

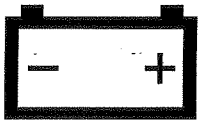
- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were overinflated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

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

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

OPERATION

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



BATTERY



CAUTION OR WARNING



REVERSE



FORWARD



FAST



SLOW



ENGINE ON



ENGINE OFF



OIL PRESSURE



LIGHTS ON



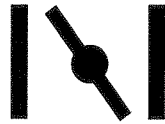
OVER TEMP LIGHT



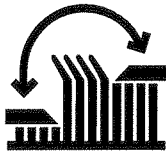
MOWER LIFT



FUEL



CHOKE



MOWER HEIGHT



PARKING BRAKE LOCKED



UNLOCKED



ATTACHMENT CLUTCH ENGAGED



REVERSE



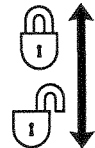
NEUTRAL



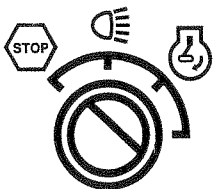
HIGH



LOW



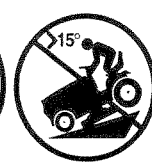
PARKING BRAKE



IGNITION



ATTACHMENT CLUTCH DISENGAGED



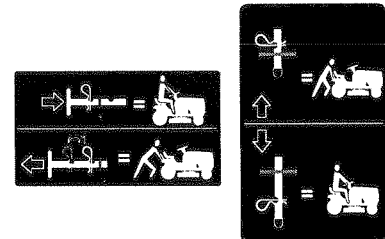
KEEP AREA CLEAR

SLOPE HAZARDS

(SEE SAFETY RULES SECTION)



DANGER, KEEP HANDS AND FEET AWAY



FREE WHEEL
(Automatic Models only)

OPERATION

KNOW YOUR TRACTOR

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

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

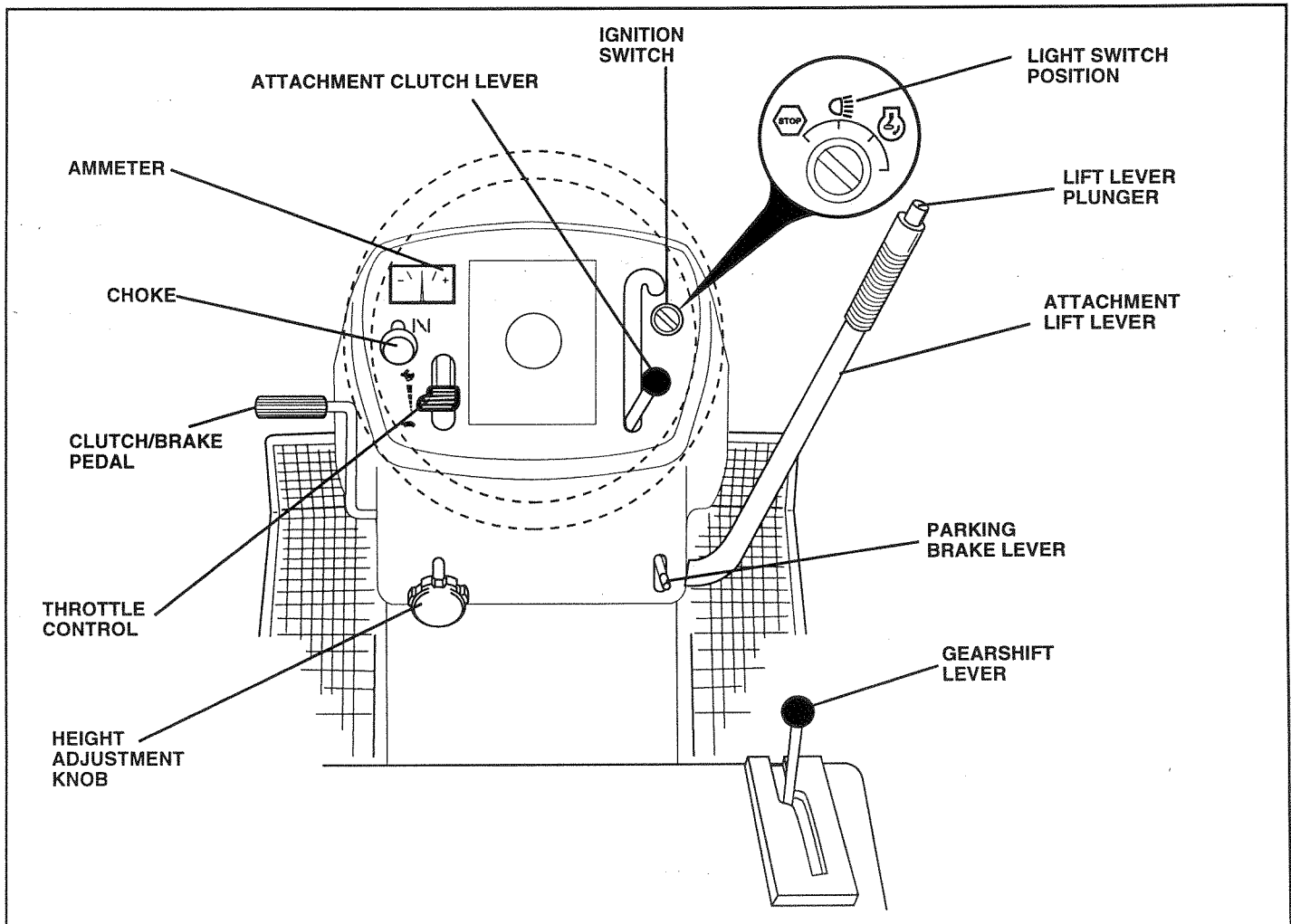


FIG. 7

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

THROTTLE CONTROL: Used for starting and controlling engine speed.

CHOKE CONTROL: Used for starting a cold engine.

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

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

IGNITION SWITCH: Used for starting and stopping the engine.

LIGHT SWITCH: Turns the headlights on and off.

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

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

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

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

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

GEARSHIFT LEVER: Selects the speed and direction of tractor.

OPERATION



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

HOW TO USE YOUR TRACTOR

TO SET PARKING BRAKE (See Fig. 8)

Your tractor is equipped with an operator presence sensing switch. When engine is running, any attempt by the operator to leave the seat without first setting the parking brake will shut off the engine.

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

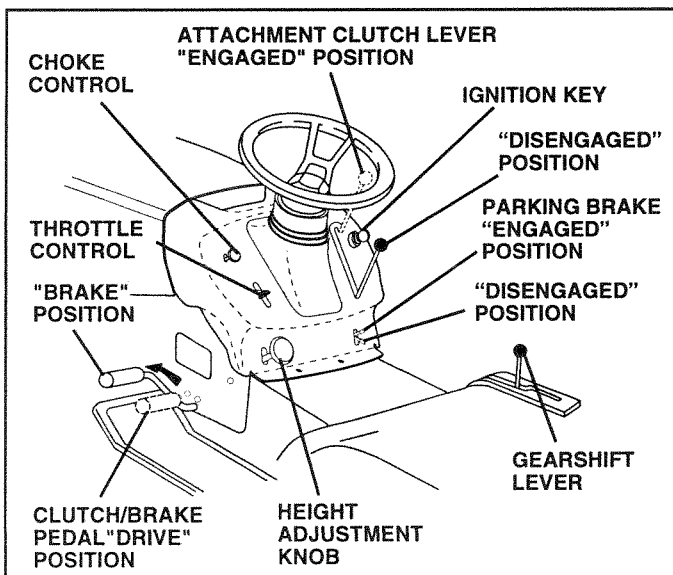


FIG. 8

STOPPING (See Fig. 8)

MOWER BLADES -

- To stop mower blades, move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

- To stop ground drive, depress clutch/brake pedal into full "BRAKE" position.
- Move gearshift lever to neutral (N) position.

ENGINE -

- Move throttle control to slow position.

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

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

IMPORTANT: LEAVING THE IGNITION SWITCH IN ANY POSITION OTHER THAN "OFF" WILL CAUSE THE BATTERY TO BE DISCHARGED, (DEAD).

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



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

TO USE THROTTLE CONTROL (See Fig. 8)

Always operate engine at full throttle.

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

TO USE CHOKER CONTROL (See Fig. 8)

Use choke control whenever you are starting a cold engine. Do not use to start a warm engine.

- To engage choke control, pull knob out. Slowly push knob in to disengage.

TO MOVE FORWARD AND BACKWARD (See Fig. 8)

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

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

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

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 8)

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

- Turn knob clockwise (↻) to raise cutting height.
- Turn knob counterclockwise (↺) to lower cutting height.

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

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

OPERATION

TO OPERATE MOWER (See Fig. 9)

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

- Select desired height of cut.
- Lower mower with attachment lift control.
- Start mower blades by engaging attachment clutch control.
- TO STOP MOWER BLADES - disengage attachment clutch control.



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

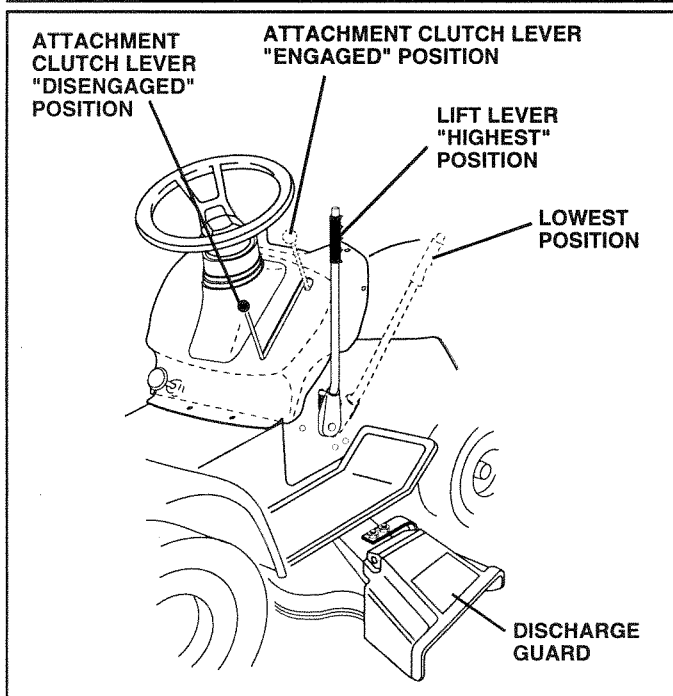


FIG. 9

TO OPERATE ON HILLS



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

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

TO TRANSPORT

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

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

TOWING CARTS AND OTHER ATTACHMENTS

Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor.

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 15)

- The engine in your tractor has been shipped, from the factory, already filled with summer weight oil.
- Check engine oil with tractor on level ground.
- Remove oil fill cap/dipstick and wipe clean, reinsert the dipstick 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 with a minimum of 87 octane. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Do not mix oil with gasoline. Purchase fuel in quantities that can be used within 30 days to assure fuel freshness.

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

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



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

OPERATION

TO START ENGINE (See Fig. 8)

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

- Sit on seat in operating position, depress clutch/brake pedal and set parking brake.
- Place gear shift lever in neutral (N) position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control to fast position
- Pull choke control out for a cold engine start attempt. For a warm engine start attempt the choke control may not be needed.

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

- Insert key into ignition and turn key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If the engine does not start after several attempts, push choke control in, wait a few minutes and try again. If engine still does not start, pull the choke control out and retry.

WARM WEATHER STARTING (50° F and above)

- When engine starts, slowly push choke control in until the engine begins to run smoothly. If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly.
- The attachments and ground drive can now be used. If the engine does not accept the load, restart the engine and allow it to warm up for one minute using the choke as described above.

COLD WEATHER STARTING (50° F and below)

- When engine starts, slowly push choke control in until the engine begins to run smoothly. Continue to push the choke control in small steps allowing the engine to accept small changes in speed and load, until the choke control is fully in. If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.
- The attachments can be used during the engine warm-up period and may require the choke control be pulled out slightly.

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.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. This will result in a more even distribution of clippings and more uniform cutting.

- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished (See Fig. 10).
- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

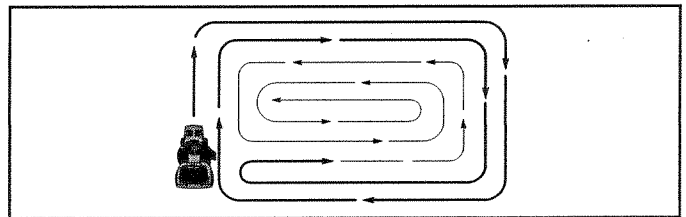


FIG. 10

MULCHING MOWING TIPS

IMPORTANT: FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN AFTER EACH USE.

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.
- Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action. The best time to mow your lawn is the early afternoon. At this time the grass has dried and the newly cut area will not be exposed to the direct sun.
- For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades (See Fig. 11). For extremely heavy mulching, reduce your width of cut on each pass and mow slowly.
- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

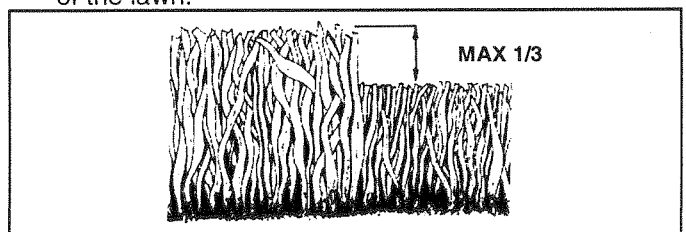


FIG. 11

CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE									SERVICE DATES			
FILL IN DATES AS YOU COMPLETE REGULAR SERVICE		BEFORE EACH USE	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY SEASON	BEFORE STORAGE				
T R A C T O R	Check Brake Operation	✓	✓									
	Check Tire Pressure	✓	✓									
	Check Operator Presence and Interlock Systems	✓										
	Check for Loose Fasteners	✓				✓ ₇		✓				
	Sharpen/Replace Mower Blades			✓ ₄								
	Lubrication Chart			✓				✓				
	Check Battery Level			✓ ₆								
	Clean Battery and Terminals			✓				✓				
	Check Transaxle Cooling			✓								
	Adjust Blade Belt(s) Tension					✓ ₅						
	Adjust Motion Drive Belt(s) Tension					✓ ₅						
	E N G I N E	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.
 6 - Not required if equipped with maintenance-free battery.
 7 - Tighten front axle pivot bolt to 35 ft.-lbs. maximum.
 Do not overtighten.

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.

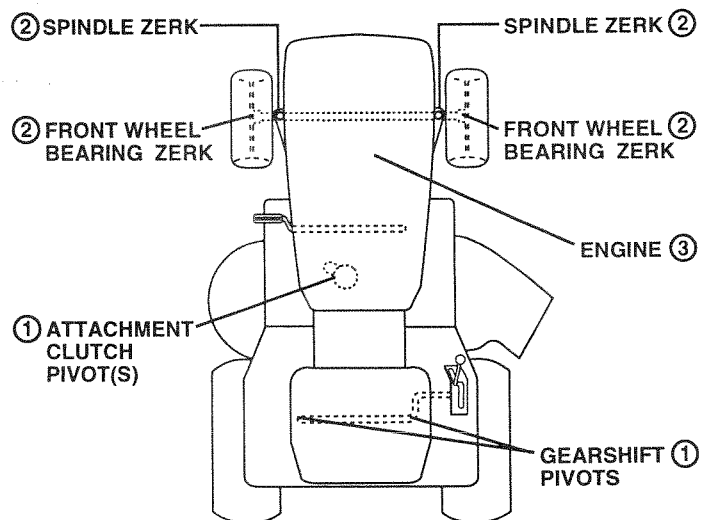
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

- 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 operator presence and interlock systems for proper operation.
- Check for loose fasteners.

LUBRICATION CHART



- ① SAE 30 OR 10W30 MOTOR OIL
- ② GENERAL PURPOSE GREASE
- ③ REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

IMPORTANT: DO NOT OIL OR GREASE THE PIVOT POINTS WHICH HAVE SPECIAL NYLON BEARINGS. VISCOUS 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, then brake must be adjusted. (See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual).

TIRES

- Maintain proper air pressure in all tires (See "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.

NOTE: To seal tire punctures and prevent flat tires due to slow leaks, tire sealant may be purchased from your local parts dealer. Tire sealant also prevents tire dry rot and corrosion.

OPERATOR PRESENCE SYSTEM

Be sure operator presence and interlock systems are working properly. If your tractor does not function as described, repair the problem immediately.

- The engine should not start unless the clutch/brake pedal is fully depressed and attachment clutch control is in the disengaged position.
- When the engine is running, any attempt by the operator to leave the seat without first setting the parking brake should shut off the engine.
- When the engine is running and the attachment clutch is engaged, any attempt by the operator to leave the seat should shut off the engine.
- The attachment clutch should never operate unless the operator is in the seat.

BLADE CARE

For best results mower blades must be kept sharp. Replace bent or damaged blades.

BLADE REMOVAL (See Fig. 12)

- Raise mower to highest position to allow access to blades.
- Remove hex bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.

IMPORTANT: TO ENSURE PROPER ASSEMBLY, CENTER HOLE IN BLADE MUST ALIGN WITH STAR ON MANDREL ASSEMBLY.

- Reassemble hex bolt, lock washer and flat washer in exact order as shown.
- Tighten bolt securely (27-35 Ft. Lbs. torque).

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

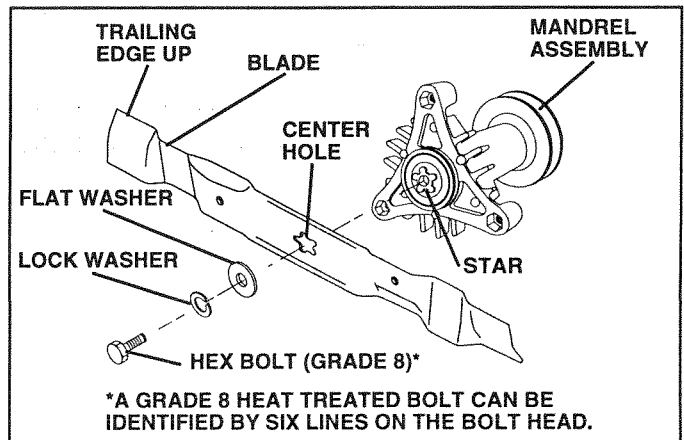


FIG. 12

TO SHARPEN BLADE (See Fig. 13)

NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

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.)

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

- 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.

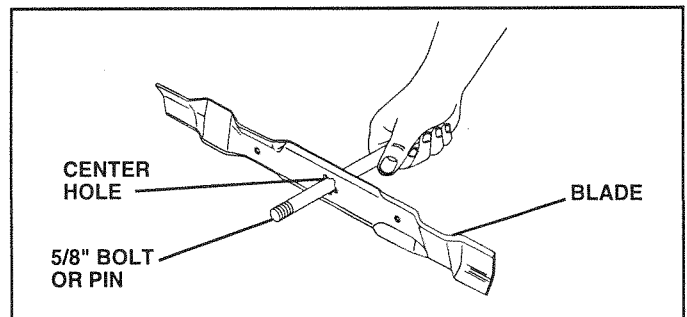


FIG. 13

CUSTOMER RESPONSIBILITIES

BATTERY

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

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

TO CLEAN BATTERY AND TERMINALS

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

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

V-BELTS

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

TRANSAXLE COOLING

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

ENGINE

LUBRICATION

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

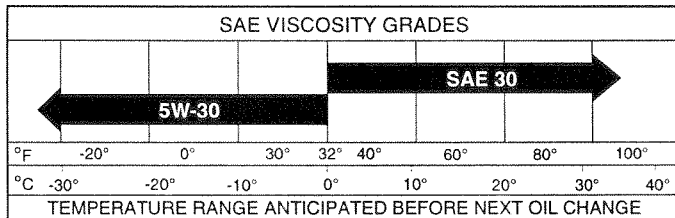


FIG. 14

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

Change the oil after every 25 hours of operation 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 operation. Tighten oil fill cap/dipstick securely each time you check the oil level.

TO CHANGE ENGINE OIL (See Figs. 14 and 15)

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

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

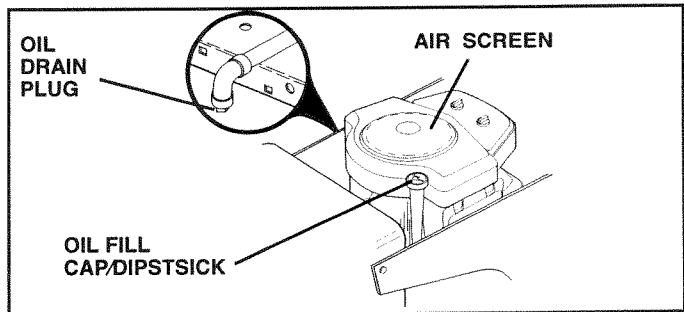


FIG. 15

ENGINE COOLING FINS (See Fig. 16)

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

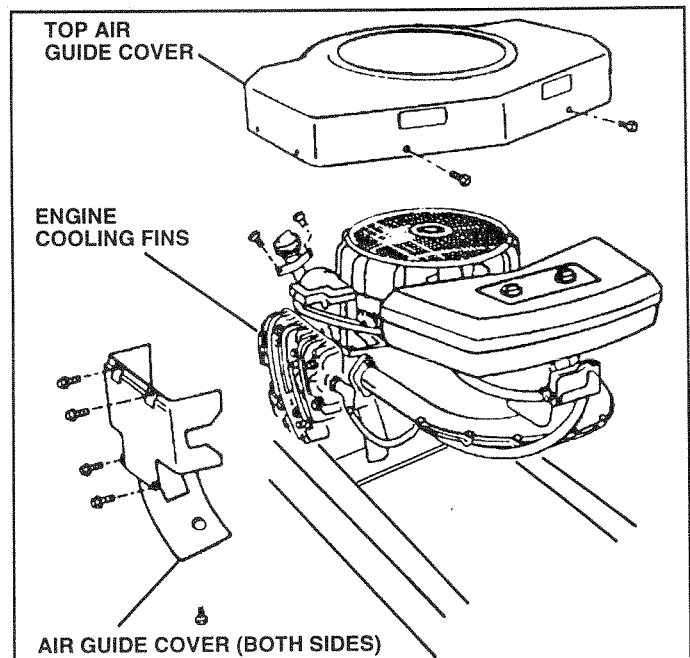


FIG. 16

CUSTOMER RESPONSIBILITIES

AIR FILTER (See Fig. 17)

Your engine will not run properly using a dirty air filter. Clean the foam pre-cleaner after every 25 hours of operation or every season. Service paper cartridge every 100 hours of operation or every season, whichever occurs first.

Service air cleaner more often under dusty conditions.

- Remove knob(s) and cover.

TO SERVICE PRE-CLEANER

- Slide foam pre-cleaner off cartridge.
- Wash it in liquid detergent and water.
- Squeeze it dry in a clean cloth.
- Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.
- If very dirty or damaged, replace pre-cleaner.
- Reinstall pre-cleaner over cartridge.
- Reinstall cover and secure with knob(s).

TO SERVICE CARTRIDGE

- Remove wing nuts and cartridge plate.
- Carefully remove cartridge to prevent debris from entering carburetor.
- Clean cartridge by tapping gently on flat surface. If very dirty or damaged, replace cartridge.
- Reinstall cartridge plate, wing nuts, pre-cleaner, cover and secure with knob(s).

IMPORTANT: PETROLEUM SOLVENTS, SUCH AS KEROSENE, ARE NOT TO BE USED TO CLEAN THE CARTRIDGE. THEY MAY CAUSE DETERIORATION OF THE CARTRIDGE. DO NOT OIL CARTRIDGE. DO NOT USE PRESSURIZED AIR TO CLEAN OR DRY CARTRIDGE.

CLEAN AIR SCREEN (See Fig. 17)

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.

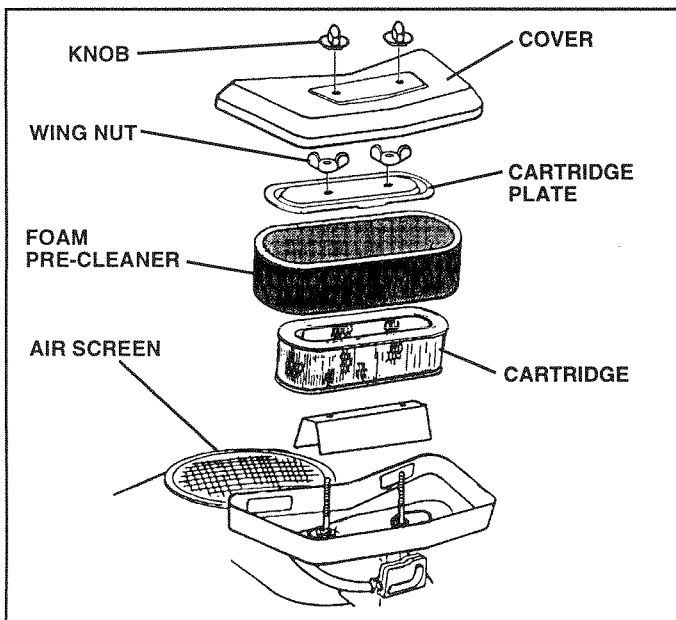


FIG. 17

MUFFLER

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

SPARK PLUGS

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

IN-LINE FUEL FILTER (See Fig. 18)

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

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

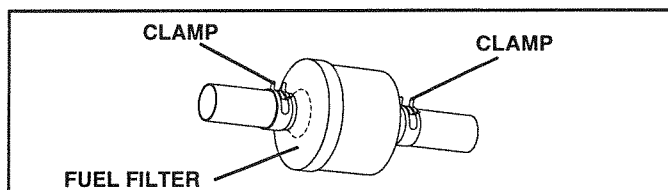


FIG. 18

CLEANING

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

We do not recommend using a garden hose to clean your 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 (N) position.
- Place attachment clutch in "DISENGAGED" position.
- Turn ignition key "OFF" and remove key.
- Make sure the blades and all moving parts have completely stopped.
- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER (See Fig. 19)

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

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

IMPORTANT: IF AN ATTACHMENT OTHER THAN THE MOWER IS TO BE MOUNTED TO THE TRACTOR, BE REMOVE THE FRONT LINKS.

TO INSTALL MOWER (See Fig. 19)

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

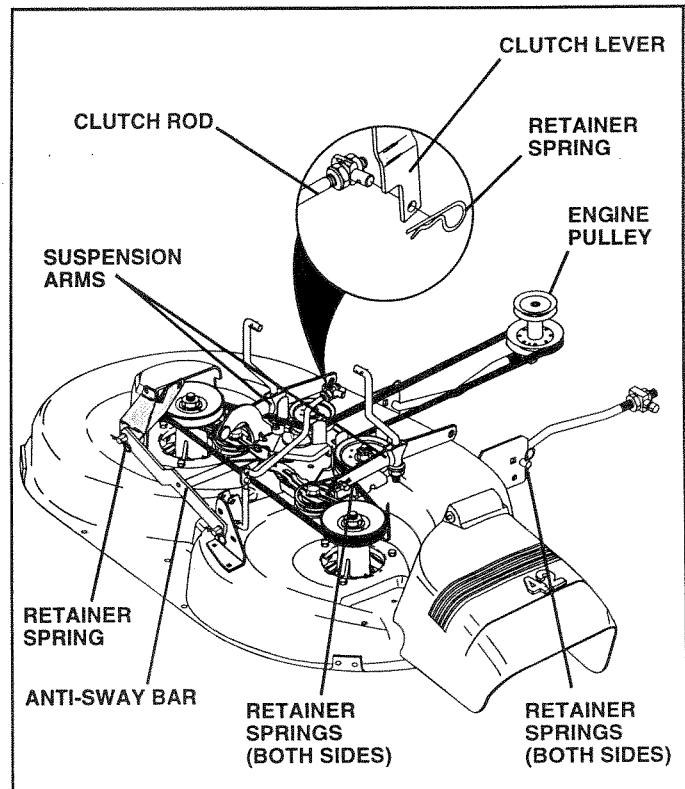


FIG. 19

SERVICE AND ADJUSTMENTS

TO LEVEL MOWER HOUSING

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

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

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

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

- Recheck measurements after adjusting.

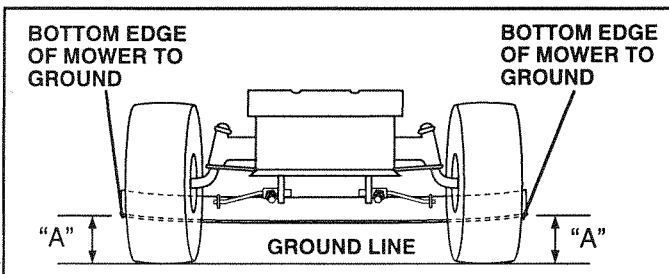


FIG. 20

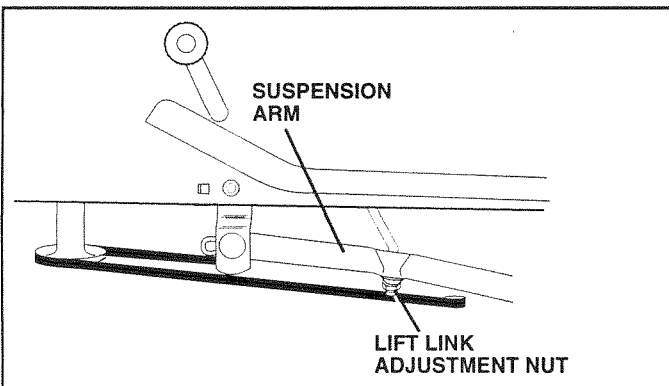


FIG. 21

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

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

To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/8" to 1/2" 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 1/8" to 1/2" 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 1/8" to 1/2" lower at front than rear, tighten nut "F" against trunnion on both front links.
- Recheck side-to-side adjustment.

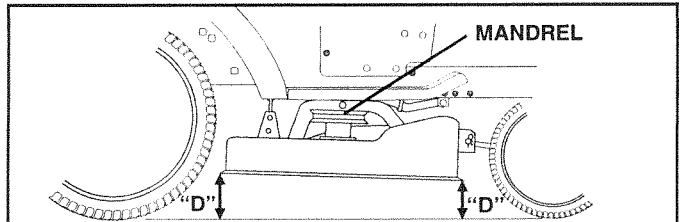


FIG. 22

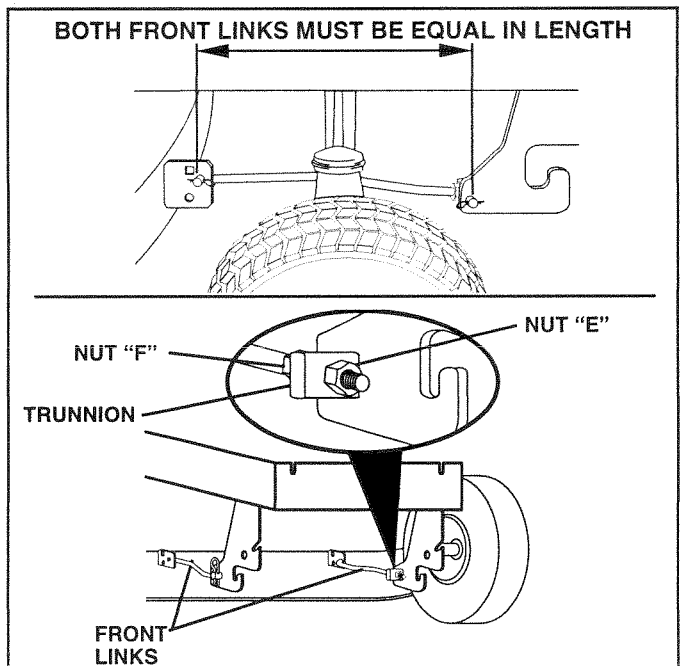


FIG. 23

SERVICE AND ADJUSTMENTS

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

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

BELT REMOVAL -

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

BELT INSTALLATION -

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

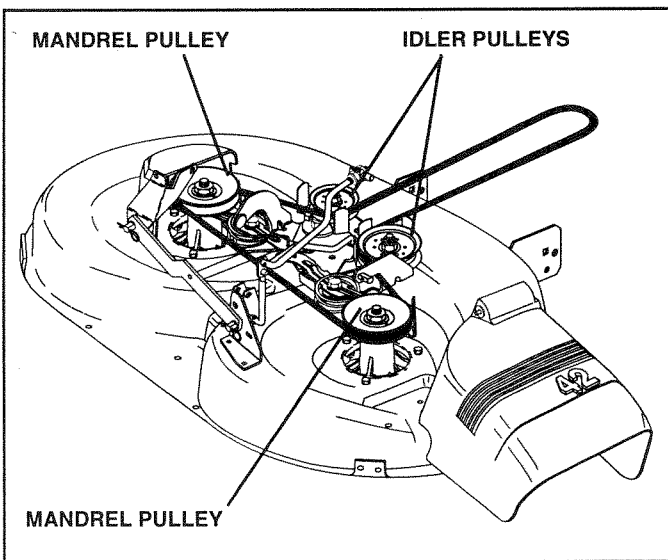


FIG. 24

TO ADJUST BRAKE (See Fig. 25)

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

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

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

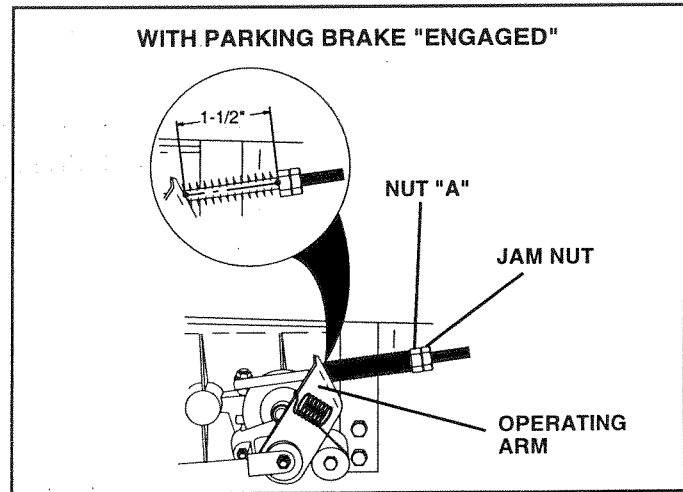


FIG. 25

TO REPLACE MOTION DRIVE BELT (See Fig. 26)

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

- Remove mower (See "TO REMOVE MOWER" in this section of this manual.)
- Remove belt from stationary idler and clutching idler.
- Pull belt slack toward rear of tractor. Remove belt upwards from transaxle pulley by deflecting belt keepers.
- Pull belt toward front of tractor and remove downwards from around engine pulley.
- Install new belt by reversing above procedure.

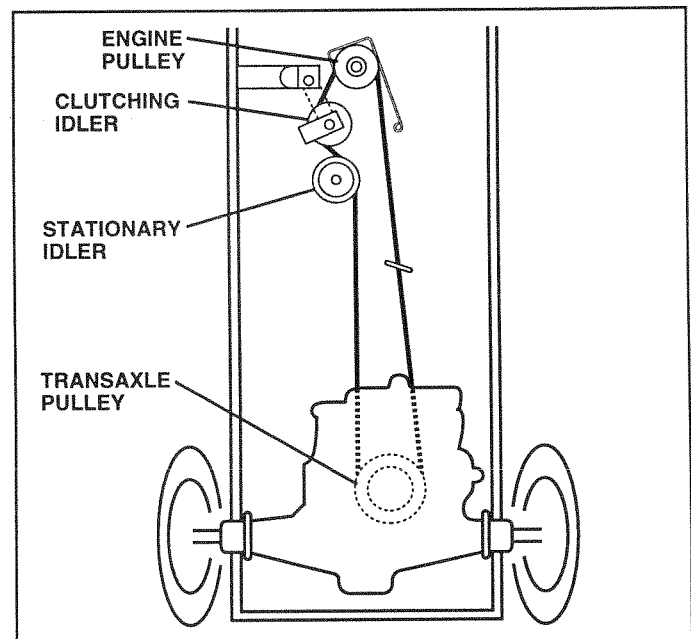


FIG. 26

SERVICE AND ADJUSTMENTS

TRANSAXLE GEAR SHIFT LEVER ADJUSTMENT (See Fig. 27)

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

- Make sure transaxle is in neutral (N).

NOTE: When the tractor rear wheels move freely, the transaxle is in neutral.

- Loosen adjustment bolt in front of the right rear wheel.
- Position the gear shift lever in the neutral (N) position.
- Tighten adjustment bolt securely.

NOTE: If additional clearance is needed to get to adjustment bolt, move mower deck height to the lowest position.

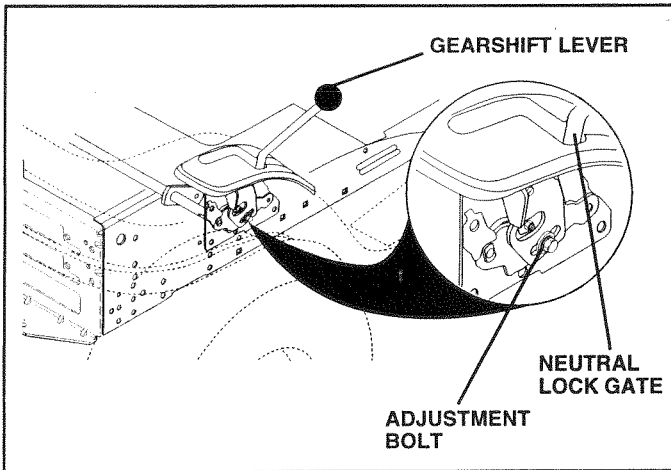


FIG. 27

TO ADJUST STEERING WHEEL ALIGNMENT

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

FRONT WHEEL TOE-IN/CAMBER

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

TO REMOVE WHEEL FOR REPAIRS (See Fig. 28)

- Elock 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.

NOTE: To seal tire punctures and prevent flat tires due to slow leaks, tire sealant may be purchased from your local parts dealer. Tire sealant also prevents tire dry rot and corrosion.

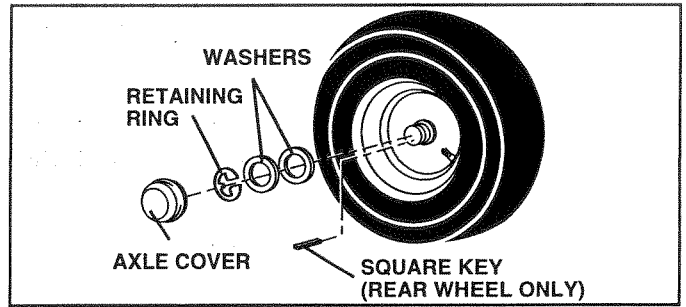


FIG. 28

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



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

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

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

TO ATTACH JUMPER CABLES -

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

TO REMOVE CABLES, REVERSE ORDER -

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

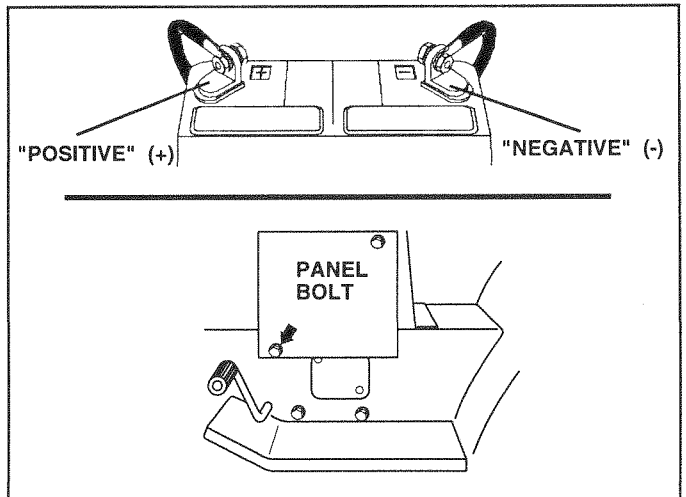


FIG. 29

SERVICE AND ADJUSTMENTS

TO REPLACE HEADLIGHT BULB

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

INTERLOCKS AND RELAYS

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

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

TO REPLACE FUSE

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located behind the dash.

TO REMOVE HOOD AND GRILL (See Fig. 30)

- Raise hood.
- Unsnap headlight wire connector.
- 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.
- Reconnect headlight wire connector and close hood.

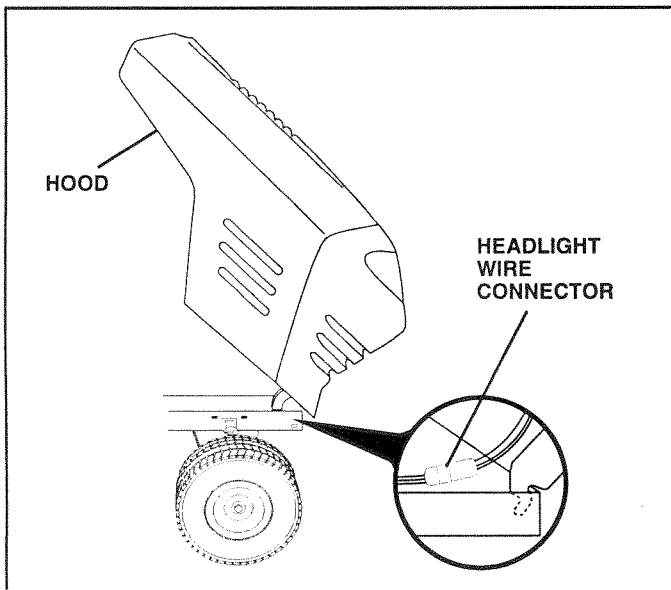


FIG. 30

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 31)

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

- With engine not running, move throttle control lever to fast position.
- Check that swivel is against stop. If it is not, loosen cable clamp screw and pull cable back until swivel is against stop. Tighten cable clamp screw securely.

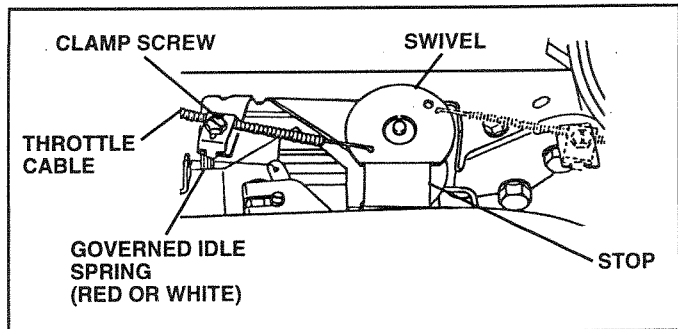


FIG. 31

SERVICE AND ADJUSTMENTS

TO ADJUST CHOKE CONTROL (See Fig. 32)

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

- With engine not running, move choke control (located on dash panel) to full choke position.
- Loosen knob and remove cover assembly from air cleaner.
- Choke should be closed. If it is not, loosen casing clamp screw and move choke cable until choke is completely closed. Tighten casing clamp screw securely.
- Replace air cleaner cover assembly and tighten knob.

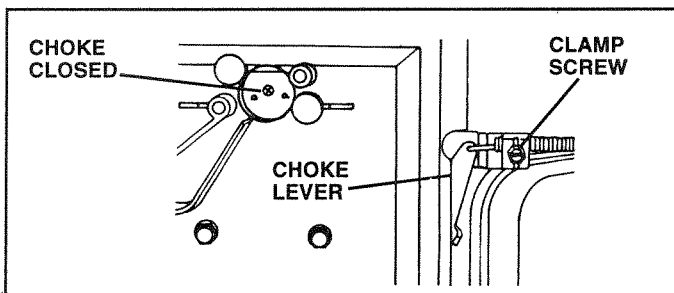


FIG. 32

TO ADJUST CARBURETOR (See Fig. 33)

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

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

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

PRELIMINARY SETTING -

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

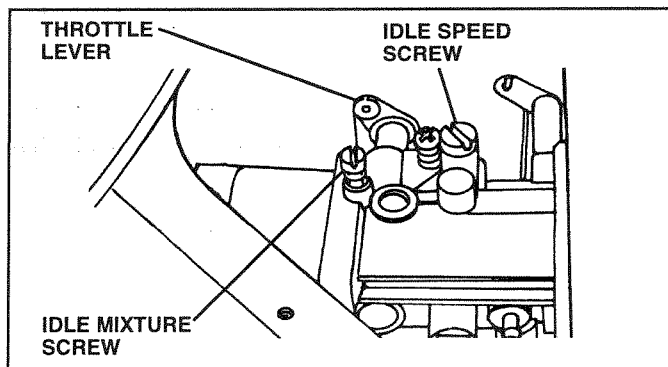


FIG. 33

FINAL SETTING -

- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/ motion control lever in neutral (N) position.
- With throttle control lever in slow position, hold throttle lever against idle speed screw and adjust idle speed screw to obtain 1300 to 1500 RPM.
- While still holding throttle lever against idle speed screw, turn idle mixture screw **in** (clockwise) until engine begins to die and then turn **out** (counterclockwise) until engine runs rough. Turn screw to a point midway between those two positions.
- Continue to hold throttle lever against idle speed screw and adjust idle speed screw to obtain 1200 RPM, if the governed idle spring is red, or 900 RPM, if the governed idle spring is white. Release throttle lever.

ACCELERATION TEST -

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

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

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

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.
- If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

ENGINE

FUEL SYSTEM

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

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

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

ENGINE OIL

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

CYLINDER(S)

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

OTHER

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

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

TROUBLESHOOTING POINTS

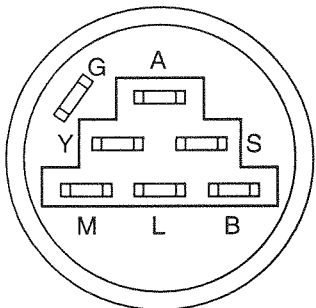
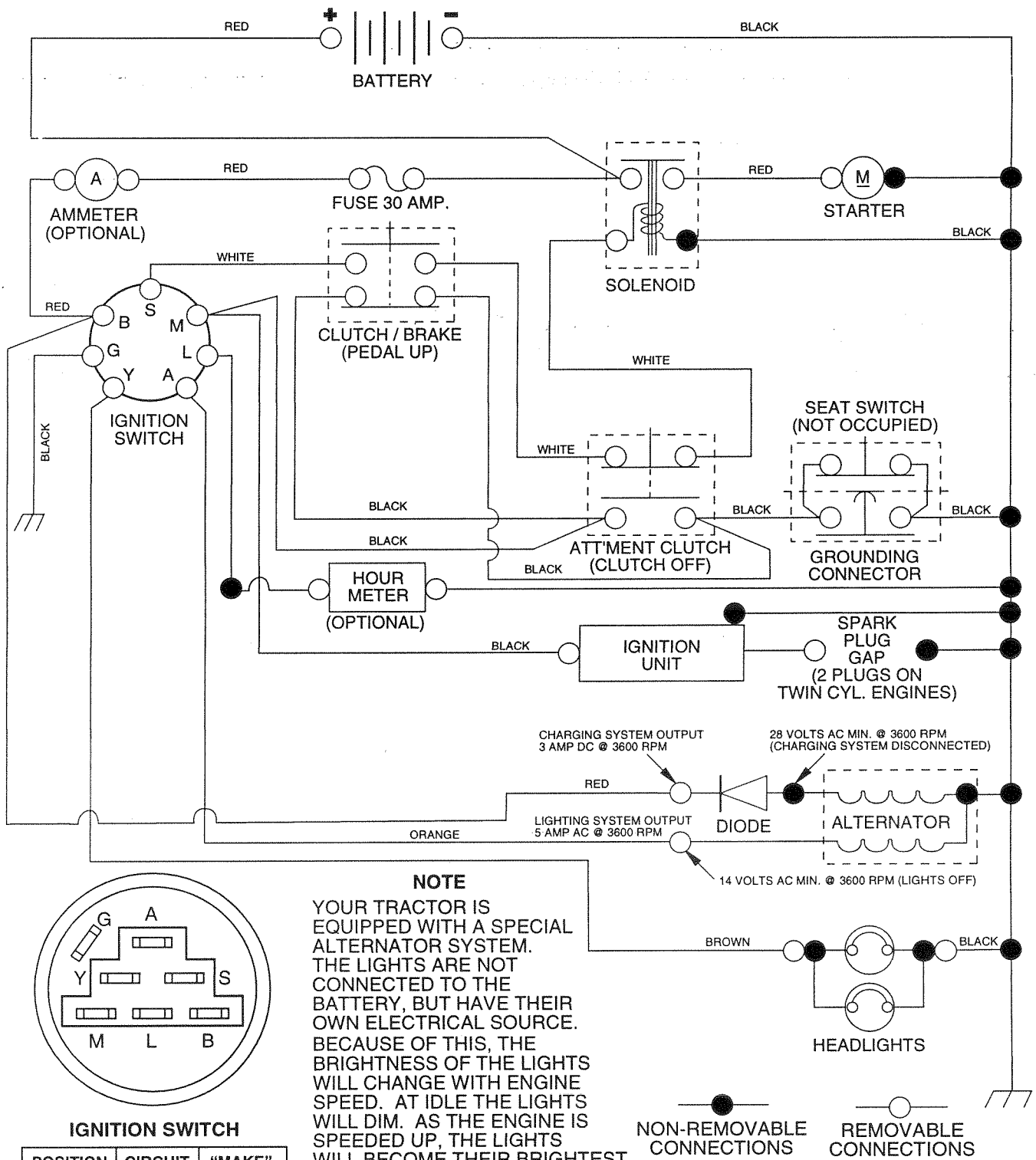
PROBLEM	CAUSE	CORRECTION
Will not start	<ol style="list-style-type: none"> 1. Out of fuel. 2. Engine not "CHOKED" properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment. 10. Engine valves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

TROUBLESHOOTING POINTS

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

TRACTOR - - MODEL NUMBER 944.609700

SCHEMATIC



IGNITION SWITCH

POSITION	CIRCUIT	"MAKE"
OFF	G + M + L	NONE
RUN/LIGHT	B + L	A + Y
RUN	B + L	NONE
START	B + L + S	NONE

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

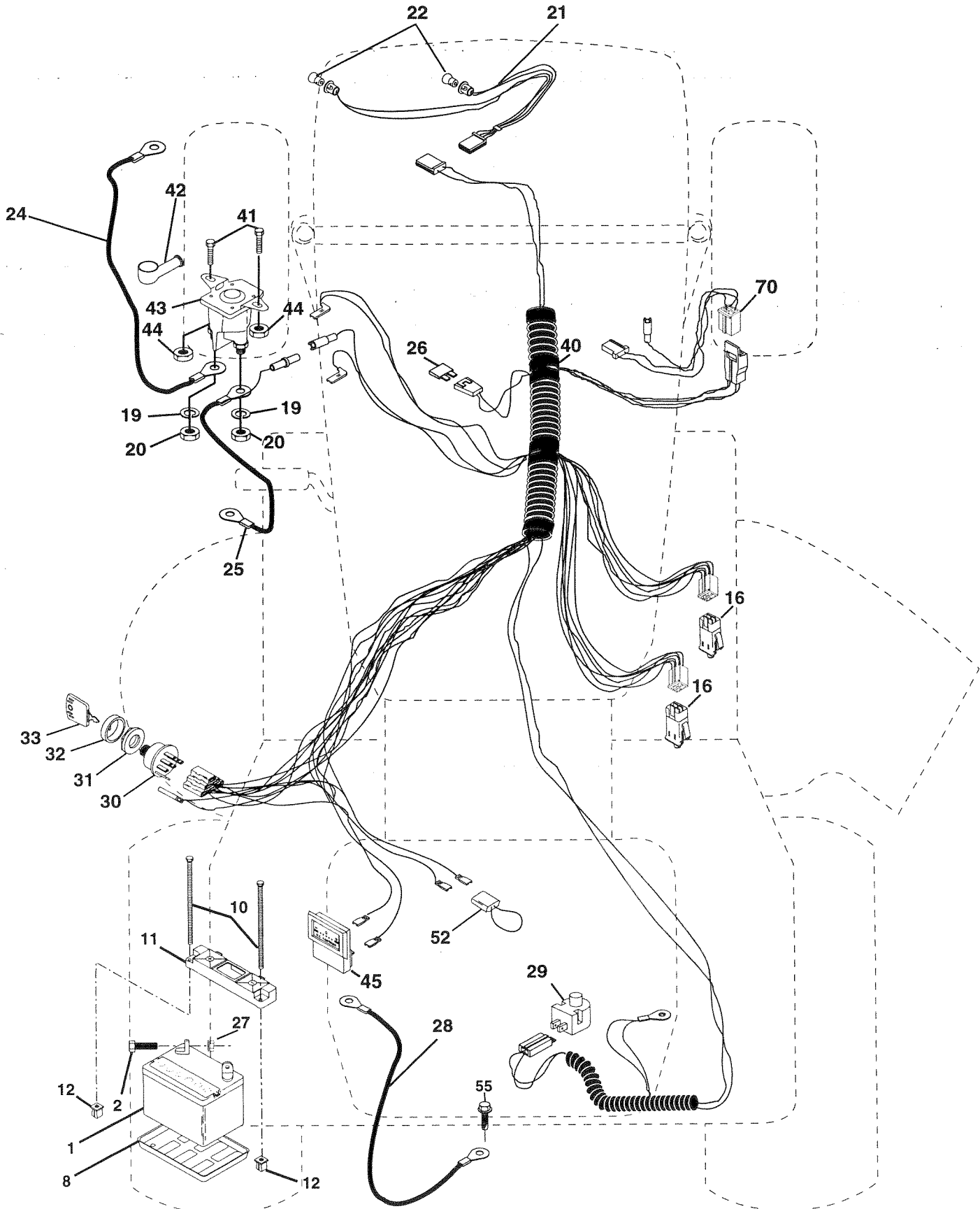
WIRING INSULATED CLIPS

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

REPAIR PARTS

TRACTOR -- MODEL NUMBER 944.609700

ELECTRICAL



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

ELECTRICAL

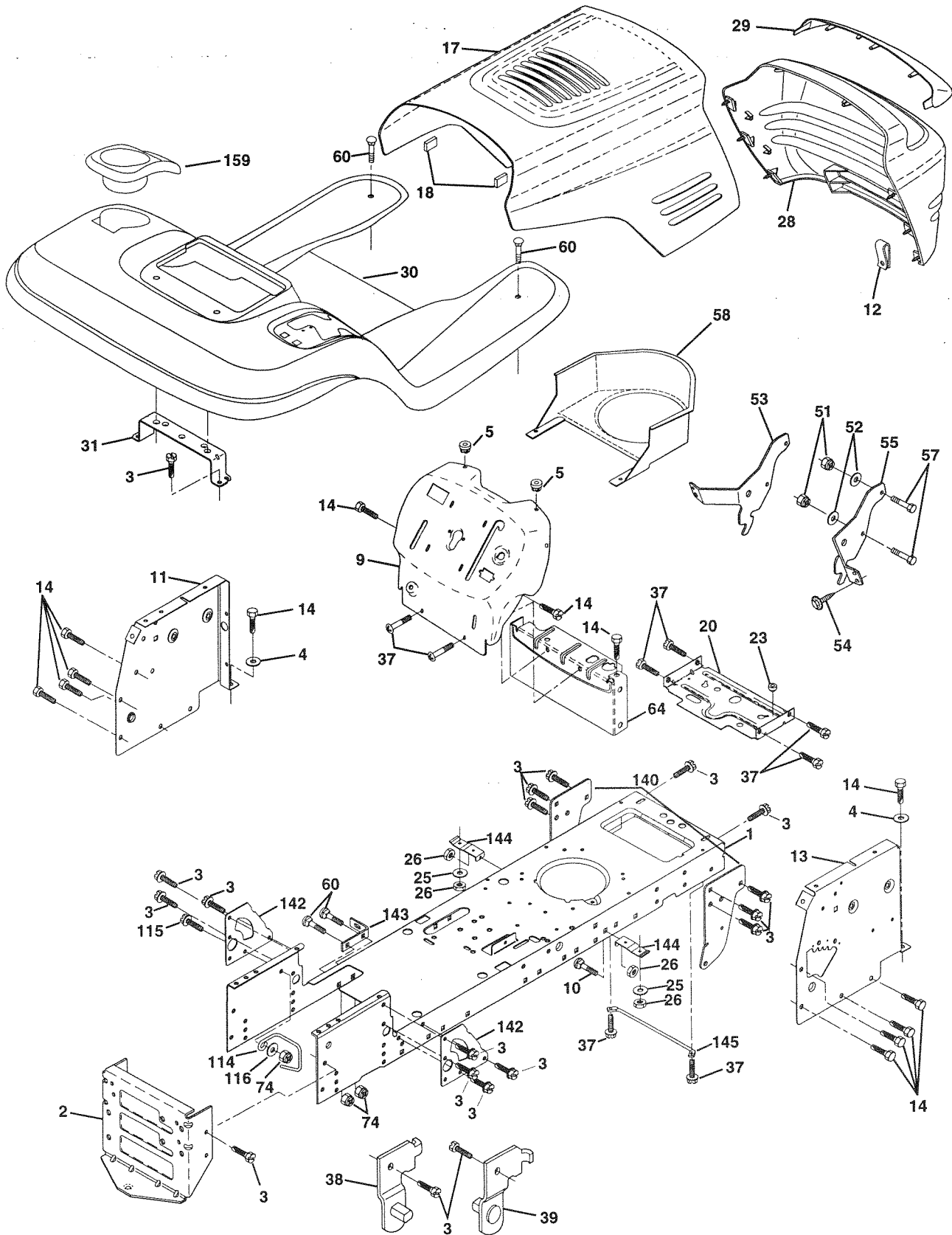
KEY NO.	PART NO.	DESCRIPTION
1	163465	Battery 12 Volt 28 Amp
2	74760412	Bolt Hex Hd 1/4-20unc X 3/4
8	7603J	Tray Battery
10	145211	Bolt Btr Frt 1/4-20 x 7.5 Zinc
11	150109	Holddown Battery Mount
12	145769	Nut Push Nylon 1/4" Battery Frt
16	153664	Switch Interlock Push-In
19	STD551125	Washer Lock 1/4
20	73350400	Nut Jam Hex 1/4-20 Unc
21	166182	Harness Asm Light W/4152J
22	4152J	Bulb Light #1156
24	4799J	Cable Battery 6 Ga 11"red
25	146148	Cable Battery 6 Ga w/16 wire,red
26	166180	Fuse 15 AMP
27	73510400	Nut Keps Hex 1/4-20 Unc
28	145491	Cable Ground 6 Ga 21" black
29	121305X	Switch Plunger Nc Gray
30	140301	Switch Ign 3
31	124211X	Nut Ignition
32	141226	Cover Sw Ignition
33	109310X	Key Ign
40	166145	Harness Ign
41	71110408	Bolt Blk Fin Hex 1/4-20unc X 1/2
42	131563	Cover Terminal Red
43	145673	Solenoid
44	73640400	Nut Keps Blk Hex 1/4-20 unc
45	121433X	Ammeter
52	141940	Protection Wire Loop (Hourmeter)
55	17490508	Screw Thdrol 5/16-18 x 1/2
70	166658	Harness Eng

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

CHASSIS AND ENCLOSURES



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

CHASSIS AND ENCLOSURES

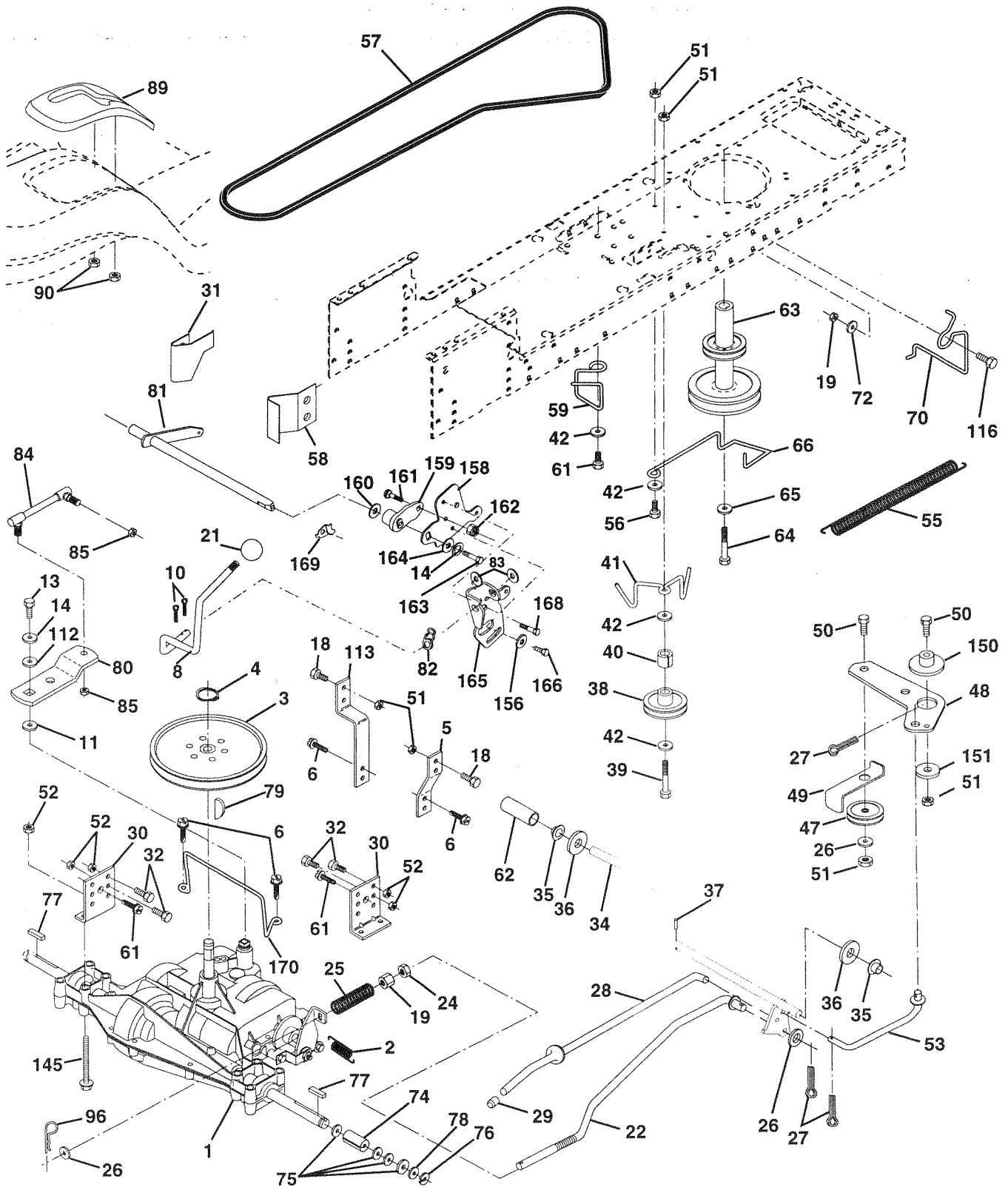
KEY PART NO. NO.	DESCRIPTION
1 165583	Chassis Weldment
2 140356	Drawbar, Stretch
3 17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
4 STD551025	Washer 13/32 x 3/4 x 16 Ga.
5 155272	Bumper Hood/Dash
9 161917X014	Dash P/L
10 STD533710	Bolt Carriage 3/8-16 x 1
11 155927	Panel Dash Lh
12 145660	Clip Tinnerman Grille P/L
13 155936	Panel Dash Rh
14 17490608	Screw Thdrol 3/8-16x1/2 Ty-tt
17 144983X558	Hood
18 126938X	Bumper Hood
20 156437	Plate Mtg. Battery Fuel Tank
23 124028X	Bushing
25 19131312	Washer 13/32 X 13/16 X 12 Ga
26 STD541437	Nut Lock Hex W/Ins 3/8-16 Unc
28 145198X558	Grille W/Clips
29 155217X599	Lens
30 154791X558	Fender Footrest STLT Pnt
31 139976	Bracket Support Fender
37 17490508	Screw Thdrol 5/16-18 X1/2
38 139886	Bracket, Asm. Pivot, L.H., Mower Rear
39 139887	Bracket, Asm. Pivot, R.H., Mower Rear
51 73800400	Nut Lock Hex W/Ins 1/4-20
52 19091416	Washer 9/32 x 7/8 x 16 Ga.
53 145201	Bracket Pnt. Pick off
55 145202	Bracket Grille Pickoff RH
54 161464	Screw Hex w/Insert
57 74780412	Bolt Hex 1/4-20 x 3/4
58 140547	Air Duct P/L
60 STD533707	Bolt Rdhd Sqnk 3/8-16unc x 3/4
64 154798	Dash Lower STLT
74 STD541437	Nut Crownlock 3/8-16 Unc
114 158112	Keeper Belt Rear
115 17490620	Screw Thdrol 3/8-16 x 1-1/4
116 19131614	Washer 13/32 x 1 x 14
140 158418	Bracket Suspension Front
142 165867	Plate Reinforcement STLT
143 154966	Bracket Swaybar Chassis
144 154207	Bracket Pnt Footrest STLT
145 156524	Rod Pivot Chassis/Hood
159 155123X428	Cup Holder

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

DRIVE



REPAIR PARTS

TRACTOR -- MODEL NUMBER 944.609700

DRIVE

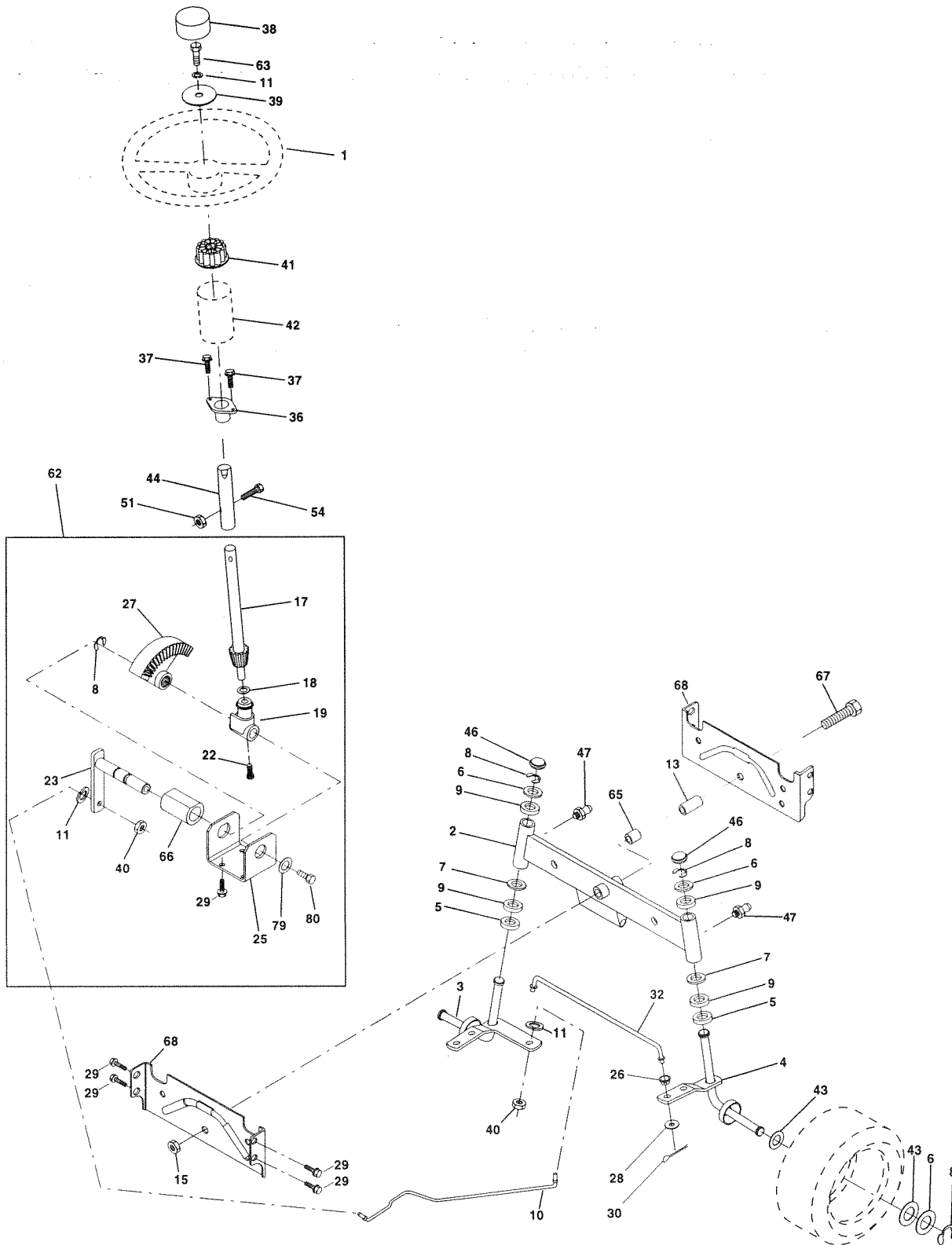
KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1 -----	Transaxle (See Breakdown) Peerless Model 206-545C	59 140312	Keeper Belt Span Ctr
2 146682	Spring Return Brake T/a Zinc	61 17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
3 123666X	Pulley Transaxle 18" tires	62 8883R	Cover Pedal Blk Round
4 12000028	Ring Retainer # 5100-62	63 140186	Engine Pulley LT/YT
5 121520X	Strap Torque 30 Degrees	64 71170764	Bolt Hex
6 17490512	Screw Thdrol 5/16-18 X 3/4 TYT	65 STD55143	Washer Lock Hvy Hlcl Spr 7/16
8 165866	Rod Shifter	66 154778	Keeper Belt Engine Foolproof
10 STD561210	Pin Cotter 1/8 X 1 Cad	70 134683	Guide Belt Mower Drive RH
11 105701X	Washer Plate Shf 388 Sq Hole	72 19132012	Washer 13/32 X 1-1/4 X 12 Ga
13 74550412	Bolt 1/4-28 Unf Gr 8 W/Patch	74 137057	Spacer
14 10040400	Washer Lock Hvy Helical 1/4	75 121749X	Washer 25/32 X 1 1/4 X 16 Ga
18 STD523710	Bolt, Fin Hex 3/8-16 UNC x 1 Gr. 5	76 STD581075	E-ring #5133-75
19 STD541437	Nut Lock 3/8-16 Unc	77 123583X	Key Square 2 0 X 1845/ 1865
21 106933X	Knob	78 121748X	Washer 25/32 X 1-5/8 X 16 Ga
22 130804	Rod Brake Blk Zinc 26 840	79 2228M	Key Woodruff
24 STD541237	Nut Hex Jam 3/8-16 Unc	80 145090	Arm Shift
25 106888X	Spring Rod Brake 2 00 Zinc	81 165592	Shaft Asm Cross 20"t
26 STD551037	Washer 13/32 X 13/16 X 16 Ga	82 165711	Spring Torsion T/a
27 STD561210	Pin Cotter 1/8 X 3/4 Cad	83 19171216	Washer 17/32 X 3/4 X 16 Ga
28 145204	Rod Brake Parking LT/YT	84 166231	Link Transaxle
29 124236X	Cap Brake Parking	85 150360	Nut Lock Center 1/4 - 28 FNTHD
30 130807	Bracket Mtg Transaxle	89 158391X428	Console Shift STLT
31 127275X	Keeper Belt LH LT 14 Ga	90 124346X	Nut Self-thd Wsh-hd 1/4 Zinc
32 STD523107	Bolt Hex Hd 5/16-18unc X 3/4	96 4497H	Retainer Spring
34 155071	Shaft Asm Pedal Foot	112 19091210	Washer 9/32 x 3/4 x 10 Ga.
35 120183X	Bearing Nylon Blk 629 Id	113 127285X	Strap Torque
36 STD551062	Washer 21/32 X 1 X 16 Ga	116 72110610	Bolt Rdhd Sq Neck 3/8-16 x 1.25
37 STD571810	Pin Roll 3/16 X 1"	145 74490540	Bolt Hex 5/16-18 Gr. 5
38 131494	Pulley Idler Flat	150 165850	Bushing Bellcrank Grd Gear
39 STD523727	Bolt Fin Hex 3/8-16unc X 2-3/4	151 19133210	Washer 13/32 x 2 x 10 Ga.
40 4470J	Spacer Split 395 X 59 Bzp	156 166002	Washer Srrted 5/16ID x 1 .125
41 165838	Keeper Belt Retainer Idler	158 165589	Bracket Shift Mount
42 19131312	Washer 13/32 X 13/16 X 12 Ga	159 165494	Hub Tapered Flange Shift Lt
47 127783	Pulley Idler V Groove Plastic	160 19292016	Washer 29/32 x 1-1/4 x 16 Ga
48 154407	Bellcrank Clutch Grnd Drv	161 72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr 5
49 123205X	Retainer Belt Style Spring	162 73680400	Nut Crownlock 1/4-20 UNC
50 STD523715	Bolt Hex Hd 3/8-16unc X 1-1/2	163 74780416	Bolt Hex Fin 1/4-20 Unc x 1 Gr 5
51 STD541437	Nut Crownlock 3/8-16 Unc	164 19091010	Washer 5/8 x .281 x 10 Ga
52 STD541431	Nut Crownlock 5/16-18 Unc	165 165623	Bracket Pivot Lever
53 105710X	Link Clutch	166 166880	Screw 5/16-18 x 5/8
55 105709X	Spring Return Clutch 6 75	168 165492	Bolt Shoulder 5/16-18 x .561
56 STD523712	Bolt Fin Hx 3/8-16 X 1/4	169 165580	Plate Fastening Lt
57 130801	V-Belt Ground Drive		
58 127274X	Keeper Belt RH LT Pnt/zinc 16g		

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

STEERING ASSEMBLY



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

STEERING ASSEMBLY

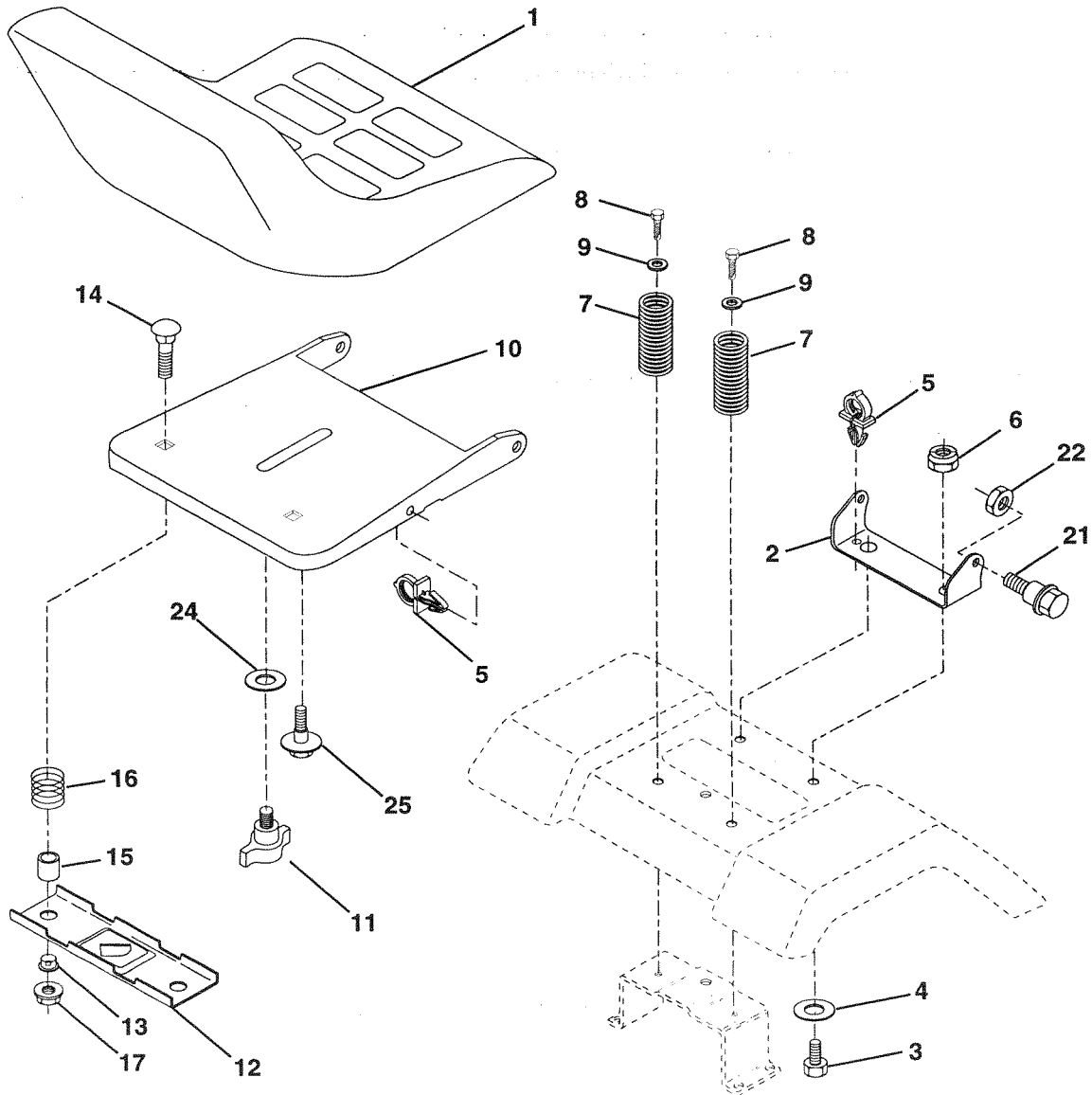
KEY PART NO. NO.	DESCRIPTION
1 139768	Wheel Steering
2 154427	Axle Asm STMP Dropped STL
3 156483	Spindle Asm LH
4 157473	Spindle Asm RH
5 6266H	Bearing Race Thrust Harden
6 121748X	Washer 25/32 X 1-5/8 X 16 Ga
7 19272016	Washer 27/32 X 1-1/4 X 16 Ga
8 12000029	Ring Klip #t5304-75
9 3366R	Bearing Col Strg Blk
10 156438	Link Drag Extended Stamp
11 STD551137	Washer Lock Hvy Hlcl Spr 3/8
13 154779	Bearing Axle STLT/GT
15 73901000	Nut Lock Flange 5/8-11 Unc
17 156546	Shaft Asm Strg
18 57079	Washer Thrust 515x 750x 033
19 160395	Support Shaft
22 165857	Screw Hex Wsh Hd Torx
23 165851	Shaft Asm Pittman
25 154406	Bracket Steering
26 126847X	Bushing Link Drag Blk LR
27 136874	Gear Sector
28 19131416	Washer 13/32 X 7/8 X 16 Ga
29 17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
30 STD561210	Pin Cotter 1/8 X 3/4 Cad
32 130465	Rod Tie Wire Form 19 75 Mech
36 155099	Bushing Strg
37 152927	Screw
38 139769	Insert Cap Strg Wh Au
39 19133808	Washer 13/32 X 2-3/8 X 8 Ga
40 STD541537	Lock nut
41 100711L	Adaptor Wheel Strg
42 145054	Boot Steering Shaft
43 121749X	Washer 25/32 X 1 1/4 X 16 Ga
44 153720	Extension Steering Shaft LR/LT
46 121232X	Cap Spindle Fr Top Blk
47 6855M	Fitting Grease
51 STD541431	Nut Lock Hex w/Ins 5/16-18
54 STD523112	Bolt Fin Hex 5/16-18 Unc x 1-1/4
62 167902	Kit, Steering Assembly Svc
63 STD523710	Bolt Fin Hex 3/8-16unc x 1 Gr. 5
65 154780	Spacer Axle
66 154404	Bearing Arm Pittman
67 74781044	Bolt, Fin Hex 5/8-11 UNC x 2-3/4
68 154429	Axle, Brace
79 19132012	Washer 13/32 x 1-1/4 x 12 Ga.
80 74950612	Bolt Hex Nylon 3/8-16 x 3/4

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

TRACTOR - - MODEL NUMBER 944.609700

SEAT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION
1	140123	Seat
2	140551	Bracket Pivot Seat 8 720
3	STD523710	Bolt Fin Hex 3/8-16unc X 1
4	19131610	Washer 13/32 X 1 X 10 Ga
5	145006	Clip Push-In
6	STD541437	Nut Hex w/Ins. 3/8-16 Unc
7	124181X	Spring Seat Cprsn 2 250 Blk Zi
8	17490616	Screw Thdrol 3/8-16 X 1 Ty-tt
9	19131614	Washer 13/32 X 1 X 14 Ga.
10	155925	Pan Seat
11	166369	Knob Seat
12	121246X	Bracket Mounting Switch

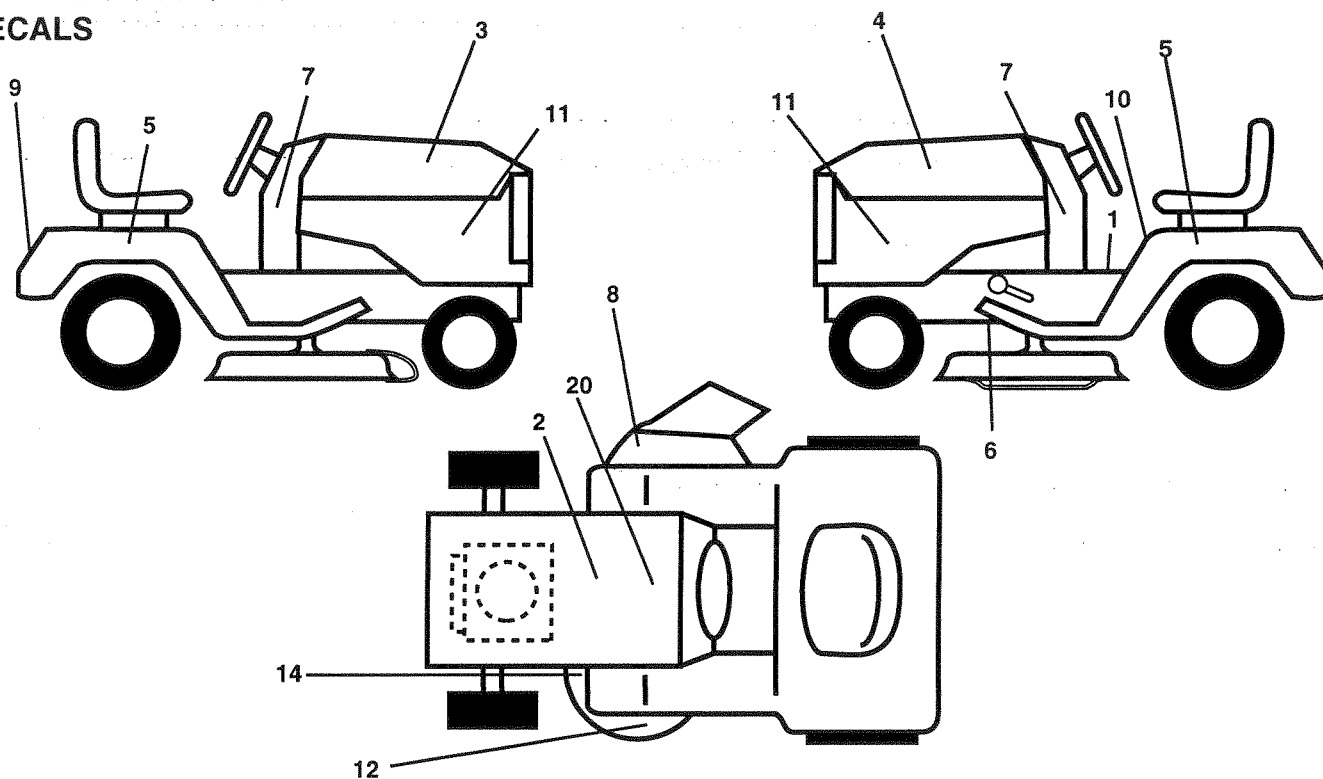
KEY NO.	PART NO.	DESCRIPTION
13	121248X	Bushing Snap Blk Nyl 50 Id
14	72050412	Bolt Rdhd Sqnk 1/4-20x1-1/2
15	134300	Spacer Split 28x 96 Yel Zinc
16	121250X	Spring Cprsn 1 27 Blk Pnt
17	123976X	Nut Lock 1/4 Lge Flg Gr 5 Zinc
21	153236	Bolt Shoulder 5/16-18 Unc
22	STD541431	Nut Hex Lock W/Ins 5/16-18
24	19171912	Washer 17/32 X 1-3/16 X 12 Ga.
25	127018X	Bolt Shoulder 5/16-18 X 62

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

TRACTOR - - MODEL NUMBER 944.609700

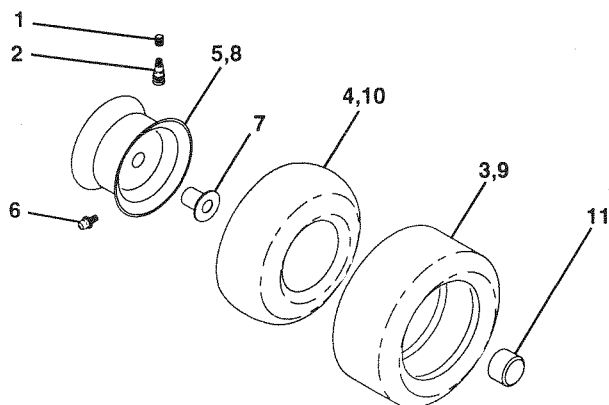
DECALS



KEY NO.	PART NO.	DESCRIPTION
1	156369	Decal Fend STLTL Oper
2	138047	Decal Battery Diehard Sears
3	163200	Decal Hood RH
4	163202	Decal Hood LH
5	163207	Decal Fender SD Wht Rad/6sp 42"
6	146046	Decal V Belt Drive Sch
7	166927	Decal Dash Pnl B&S
8	137259	Decal Warning Mult-Language
9	163204	Decal Fender
10	157140	Decal Fender Danger Eng/Fr

KEY NO.	PART NO.	DESCRIPTION
11	168420	Decal Pnl Side
12	166887	Decal Mower EZ3
14	160396	Decal V-Belt Schematic
20	149517	Decal Bat Dan/Psn
--	154515	Pad Footrest LH STLTL
--	154516	Pad Footrest RH STLTL
--	138311	Decal Handle Lft Height Adjust
--	168331	Manual Owner's (English)
--	168332	Manual Owner's (French)

WHEELS & TIRES



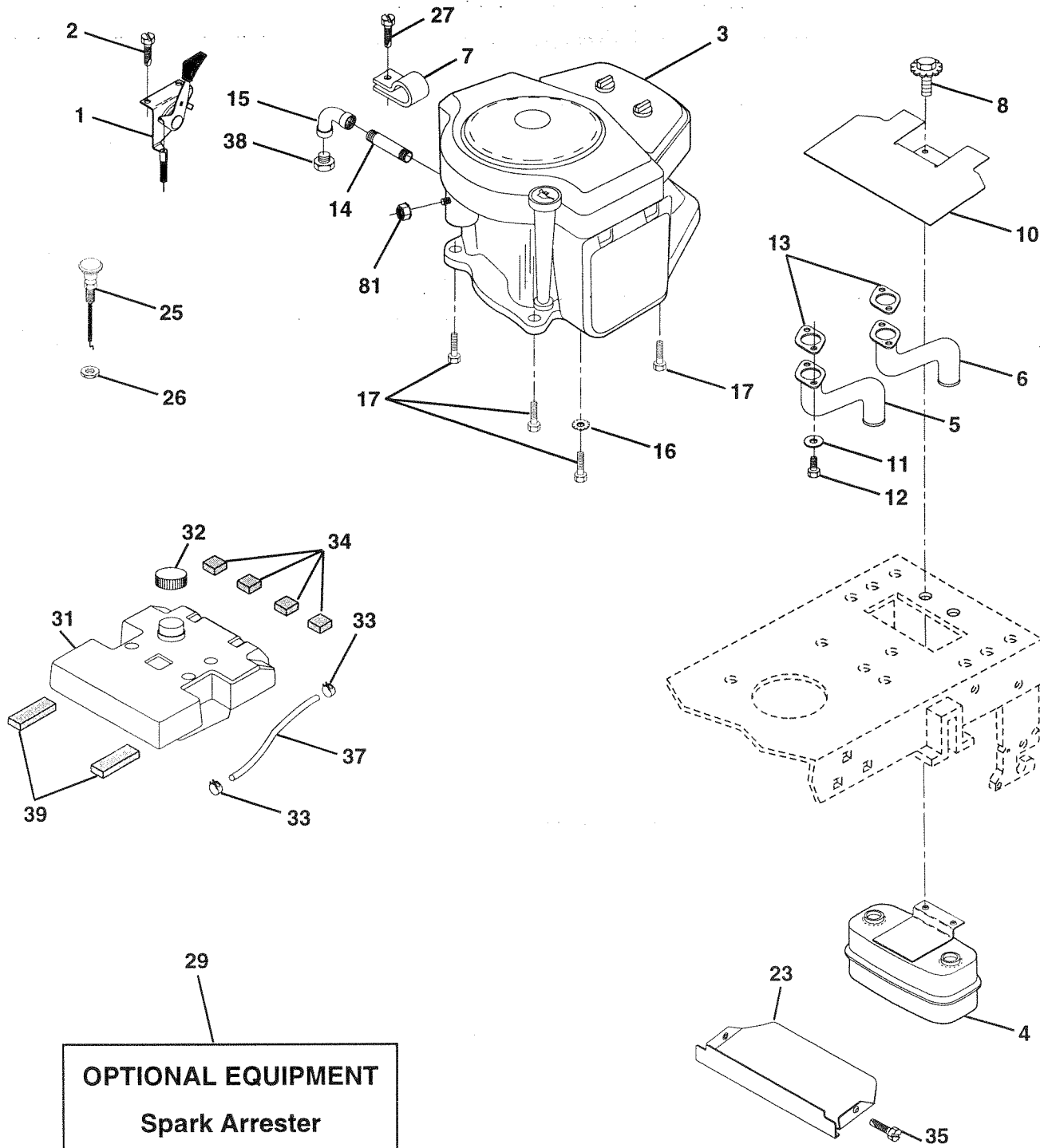
KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap Valve Tire
2	65139	Stem Valve
3	106222X	Tire F Ts 15 X 6 0 - 6 Service
4	59904	Tube Front (Service Item Only)
5	106732X427	Rim Asm 6"front Service
6	278H	Fitting Grease (Front Wheel Only)
7	9040H	Bearing Flange (Front Wheel Only)
8	106108X427	Rim Asm 8"rear Service
9	122082X	Tire R Ts 20x10-8 C Service
10	7152J	Tube Rear (Service Item Only)
11	104757X	Cap Axle Blk 1 50 X 1 00
--	144334	Sealant, Tire (10 oz. Tube)

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

ENGINE



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

ENGINE

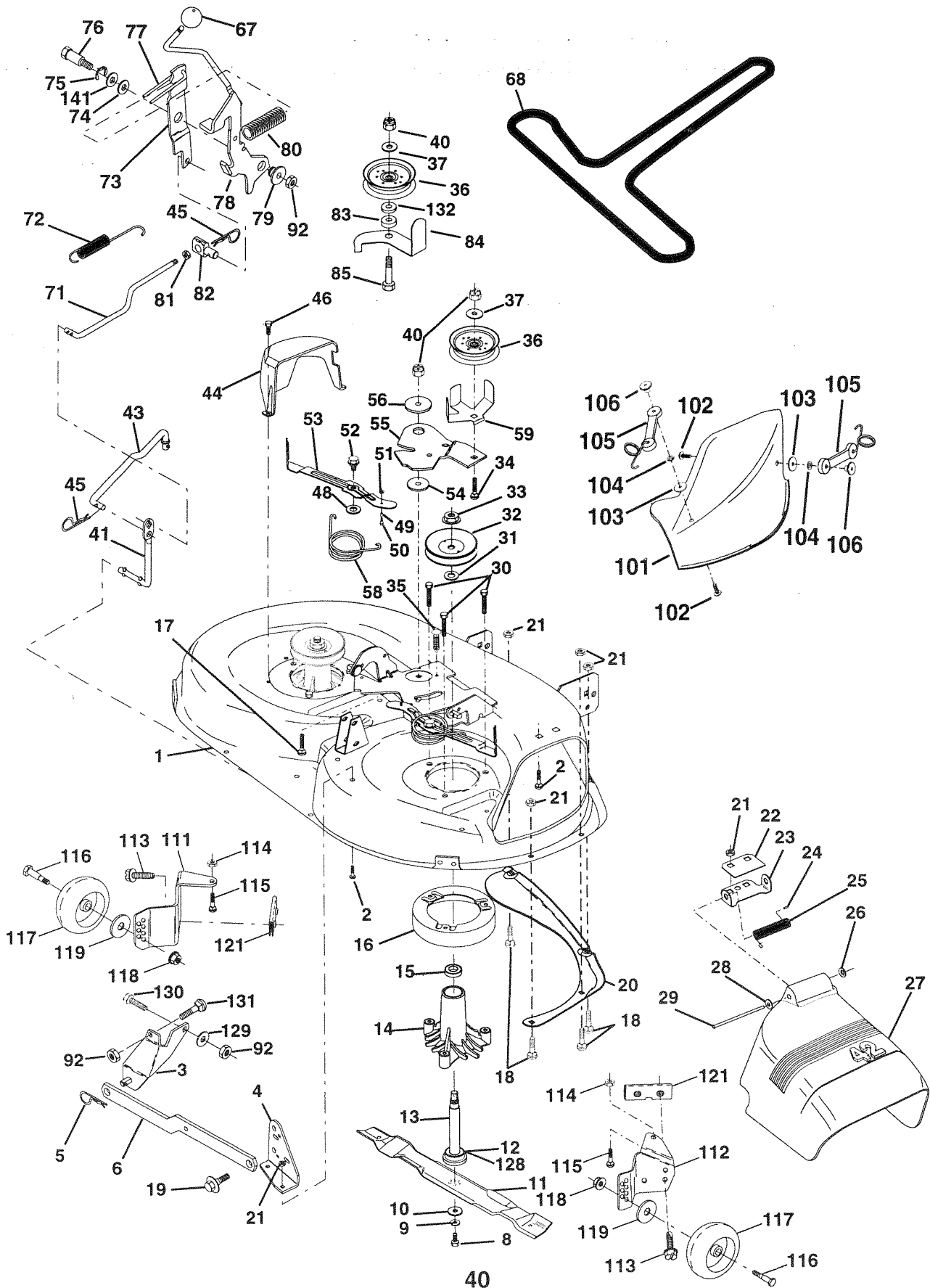
KEY NO.	PART NO.	DESCRIPTION
1	162152	Control Throt Pdl 32 22
2	17720410	Screw Hex Thd Cut 1/4-20x5/8 T
3	-----	Engine (See Breakdown) Briggs Model 461707-0145-E1
4	149723	Muffler Exhaust
5	144069	Exhaust Asm. Left
6	144068	Exhaust Asm. Right
7	138129	Clamp Tube Double Engine
8	150176	Bolt 5/16-18unc x 3/4 w/sems
10	145552	Heat Shield Lt
11	STD551125	Washer Lock Hvy. Helical 1/4
12	STD522507	Bolt Fin Hex 1/4-20 x 3/4
13	165287	Gasket Muffler
14	13280336	Nipple Pipe 4-1/2"
15	13200300	Elbow Std 90 Degree 3/8-18 Npt
16	STD551237	Washer Lock Ext Tooth 3/8
17	17490624	Screw Thdrol 3/8-16x1-1/2 Tytt
23	159880	Shield BRN/DBR Guard
25	145996	Control Choke
26	73920600	Nut Keps 3/8-24 UNF
27	152927	Screw TT Flange
29	137180	Arrestor Spark
31	157103	Tank Fuel 3.5 STL W/O Sensor
32	161696	Cap Fuel Gauge STLT
33	123487X	Clamp Hose Blk
34	106082X	Strip Foam
35	17490512	Screw Thdrol 5/16-18 x 3/4
37	8543R	Line Fuel
38	-----	Plug Oil Drain (Order From Engine Manufacturer)
39	109227X	Pad Spacer
81	128861	Nut Flange 1/4-20 Starter Nut

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

MOWER DECK



REPAIR PARTS REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

MOWER DECK

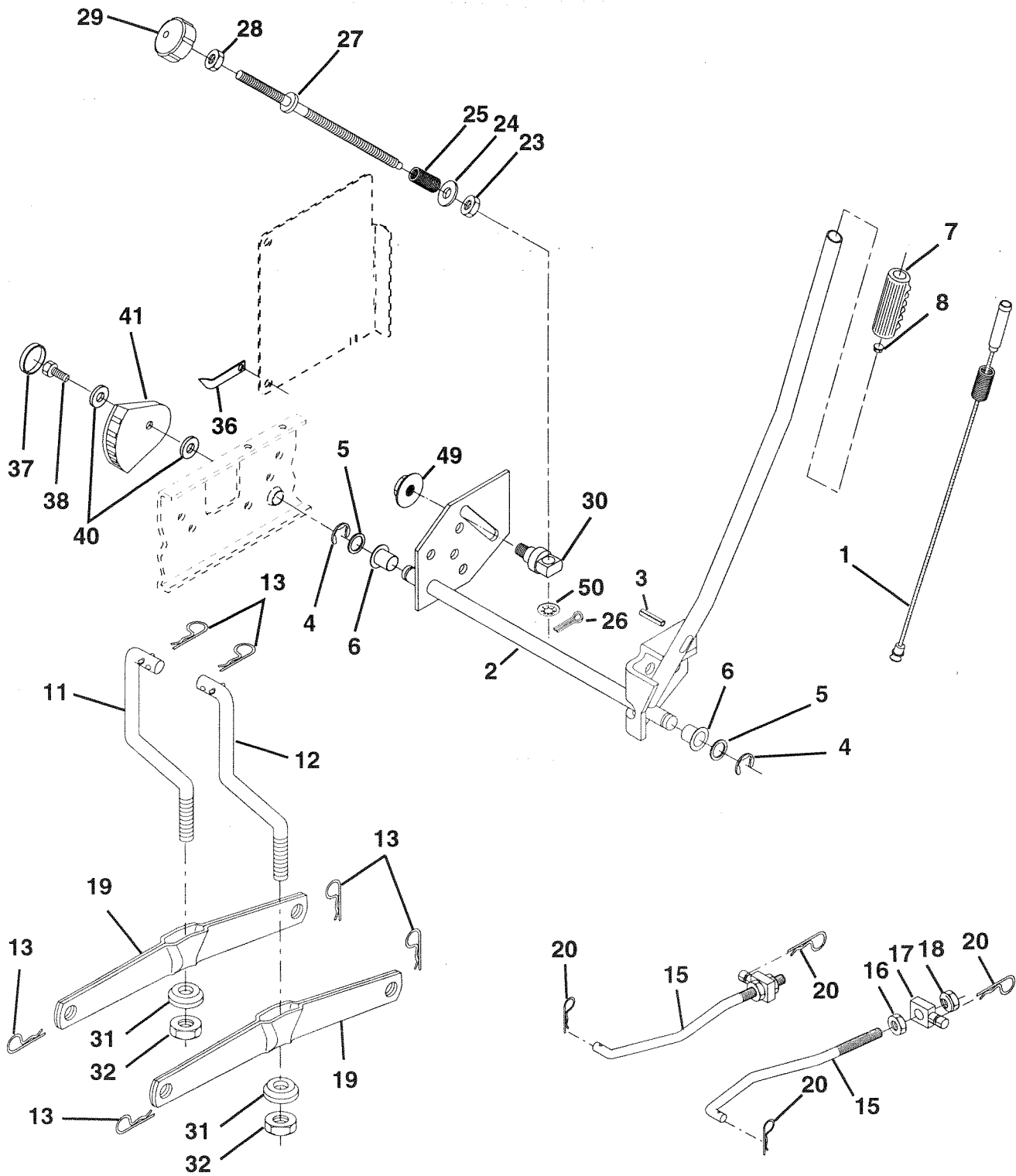
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	164951	Mower Housing	51	STD541410	Nut Lock #10-24 Unc
2	STD533107	Bolt Rdhd Sqnk 5/16-18unc X3/4	52	139888	Bolt Shoulder 5/16-18 Unc Blkz
3	138017	Bracket Asm Fr Sway Bar 38/42	53	131845	Arm Asm Pad Brake
4	138440	Bracket Asm Deck 42" sway Bar	54	133943	Washer Hardened
5	STD624008	Retainer Spring	55	155046	Arm Idler 42" mower LT/YT
6	130832	Arm Suspension Rear	56	122052X	Spacer Retainer Pm Mower
8	850857	Bolt 3/8-24 X 1 1/4	58	140086	Spring Torsion Brakes 42"
9	STD551137	Washer Lock Hvy 3/8	59	141043	Guard TUV Idler
10	140296	Washer Hard Blade Mower Vented	67	162113	Knob Custom Oval
11	134149	Blade, Mulching 42" Std (Originally equipped with) (Following Blades are Optional)	68	144200	V-Belt Mower
	138498	Blade Mower 42" Hi-Lift Std (For better bagging, especially in wet conditions)	71	142427	Rod Clutch Primary 38/42
	139775	Blade Mulching Premium 42" (For better wear when mulching)	72	131870	Spring Return
	138971	Blade Mower 42" Hi-Lift Premium (For better wear when bagging in heavy or wet conditions)	73	127847	Arm Clutch Secondary
12	129895	Bearing Ball	74	121748X	Washer 25/32 X 1-5/8 X 16 Ga
13	137645	Shaft Asm W/lower Bearing	75	12000029	Ring Klip #t5304-75
14	128774	Housing Mandrel Vented	76	128903	Bolt Shoulder 3/8-16 Unc 1 44
15	110485X	Bearing Ball Mandrel	77	127845	Keeper Spring 4 000
16	140329	Stripper Mower Vented	78	160570	Lever Asm Clutch Primary
17	72110610	Bolt Rdhd Sqnk 3/8-16 X 1-1/4	79	127498	Bushing 747 Od X 794 Lg Brass
18	STD533106	Bolt Rdhd Sqnk 5/16-18 X 5/8	80	153701	Spring Clutch Mower
19	132827	Bolt Shoulder	81	STD541237	Nut Hex Jam 3/8-16 Unc
20	159770	Baffle Vortex 42	82	142028	Trunnion Adj
21	STD541431	Nut Crownlock 5/16-18 UNC	83	120958X	Washer Sintered
22	134753	Stiffener Bracket 42" deck	84	156084	Keeper Belt Idler Fixed
23	131267	Bracket Deflector Mower 42"	85	72140620	Bolt Rdhd Sqnk 3/8-16 x 2-1/4
24	105304X	Cap Sleeve 80x 112 Blk Mower	92	STD541437	Nut Lock Hex W/Ins. 398-16 unc
25	123713X	Spring Torsion Deflector 2 52	101	136420	Cover Mulching 42" Black
26	110452X	Nut Push Phos & Oil	102	71161010	Screw Truss Hd Phil 10-24 x 5/8
27	130968	Shield Deflector Mower 42" Blk	103	19061216	Washer #10
28	19111016	Washer 11/32 X 5/8 X 16 Ga	104	STD551110	Washer Lock #10
29	131491	Rod Hinge 42" 6 75 Wlg	105	160793	Latch Asm Mulch/Bagger
30	157722	Screw Thdrol Hex Head Zinc Mwr	106	2029J	Nut Weld
31	129963	Washer Spacer Mower Vented	111	155197	Bracket Gauge Wheel LH 42" deck
32	153535	Pulley Mandrel 42	112	155198	Bracket Gauge Wheel RH 42" deck
33	137266	Nut 9/16 Top Lock Fing	113	17490512	Screw Thdrol 5/16-18 X 3/4 Tyt
34	STD533717	Bolt Rdhd 3/8-16uncx1-3/4 Gr5	114	STD541431	Nut Keps 5/16-18 Unc
35	133835	Fastner Christmas Tree	115	72110504	Bolt Carr 5/16-unc X 1/2
36	131494	Pulley Idler Flat 3 060	116	4898H	Bolt Shoulder
37	STD551037	Washer 13/32 x 13/16 x 16 Ga	117	165746	Wheel Gage
40	STD541437	Nut Crownlock 3/8-16 UNC	118	STD541437	Nut Crownlock 3/8-16 Unc
41	133551	Rod Pivot W/nibs	119	19121414	Washer 3/8 x 7/8 x 14 Ga.
43	140083	Rod Clutch Secondary W/nibs	121	143723	Bracket Extruded Gauge Wheel
44	140088	Guard Mandrel LH Black	128	153390	Washer Felt
45	STD624003	Spring Retainer 1" Zinc/cad	129	19131312	Washer 13/32 x 13/16 UNC x 12 Ga.
46	137729	Screw Hex Thd Cut	130	STD523710	Bolt Fin Hex 3/8-16 UNC x 1. Gr. 5
48	133944	Washer Hardened Smaller	131	STD533710	Bolt RDHD SQNK 3/8-16 UNC x 1
49	155066	Roller Asm Cam Follower 42" dec	132	19132203	Washer 13/32 x 1-3/8 x 3
50	131340	Bolt Shldr 10-24 Zinc Gr 5 42"	141	6266H	Washer Thrust .75 x 1.230
			--	130794	Mandrel Asm Service (Includes Key Nos. 8-10, 12-15, 31 and 33)
			--	164963	Deck Serv (Std. Deck - Order seperately gauge wheel components key nos. 111-121.)

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

MOWER LIFT



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

MOWER LIFT

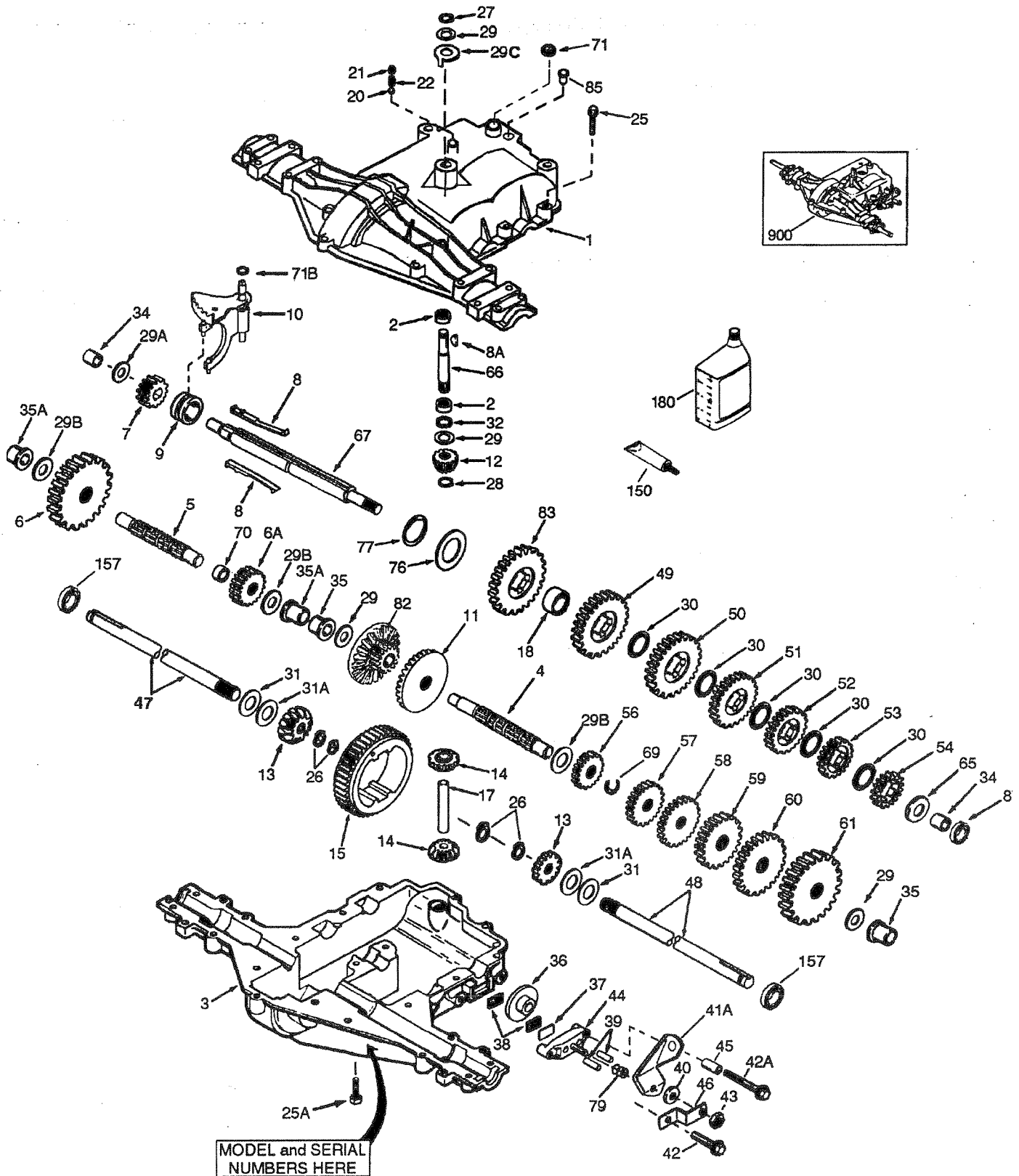
KEY NO.	PART NO.	DESCRIPTION
1	159460	Wire Asm Inner W/Plunge5r
2	159471	Shaft Asm Lift
3	105767X	Pin Groove
4	STD581062	E Ring #5133-62
5	19211621	Washer 29/32 x 1-1/4 x 21 Ga.
6	120183X	Bearing Nylon Blk .629 ID
7	125631X	Grip Handle Fluted
8	122365X	Button, Plunger
11	139865	Link Lift Lh Fixed Length
12	139866	Link Lift Rh Fixed Length
13	STD624008	Retainer Spring
15	127218	Link Front
16	73350800	Nut Jam Hex 1/2-13 Unc
17	130171	Trunnion Blk Zinc
18	STD541450	Nut Lock W/Wsh 1/2-13 Unc
19	139868	Arm Suspension Rear
20	163552	Spring Retainer
23	110807X	Nut Special
24	STD551037	Washer 13/32 X 5/8 X 16 Ga
25	2876H	Spring
26	76020308	Pin Cotter 3/32 x 1/2
27	126971X	Rod Adjust Lift
28	STD541237	Nut Hex Jam 3/8-16 Unc
29	138057	Knob Infinite 3/8-16 Unc Black
30	150233	Trunnion Infin Height
31	140302	Bearing Pvt. Lift Spherical
32	73540600	Nut Lock 3/8-24
36	155097	Pointer Height Indicator
37	123935X	Plug Hole
38	17490512	Screw Thdrol 5/16-18 x 3/4
40	19112410	Washer 11/32 x 1-1/2
41	155098	Indicator Height
49	145212	Nut Hex Flange Lock
50	110452X	Nut Push Phos & Oil

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

TRACTOR - - MODEL NUMBER 944.609700

PEERLESS TRANSAXLE - MODEL NUMBER 206-545C



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

PEERLESS TRANSAXLE - MODEL NUMBER 206-545C

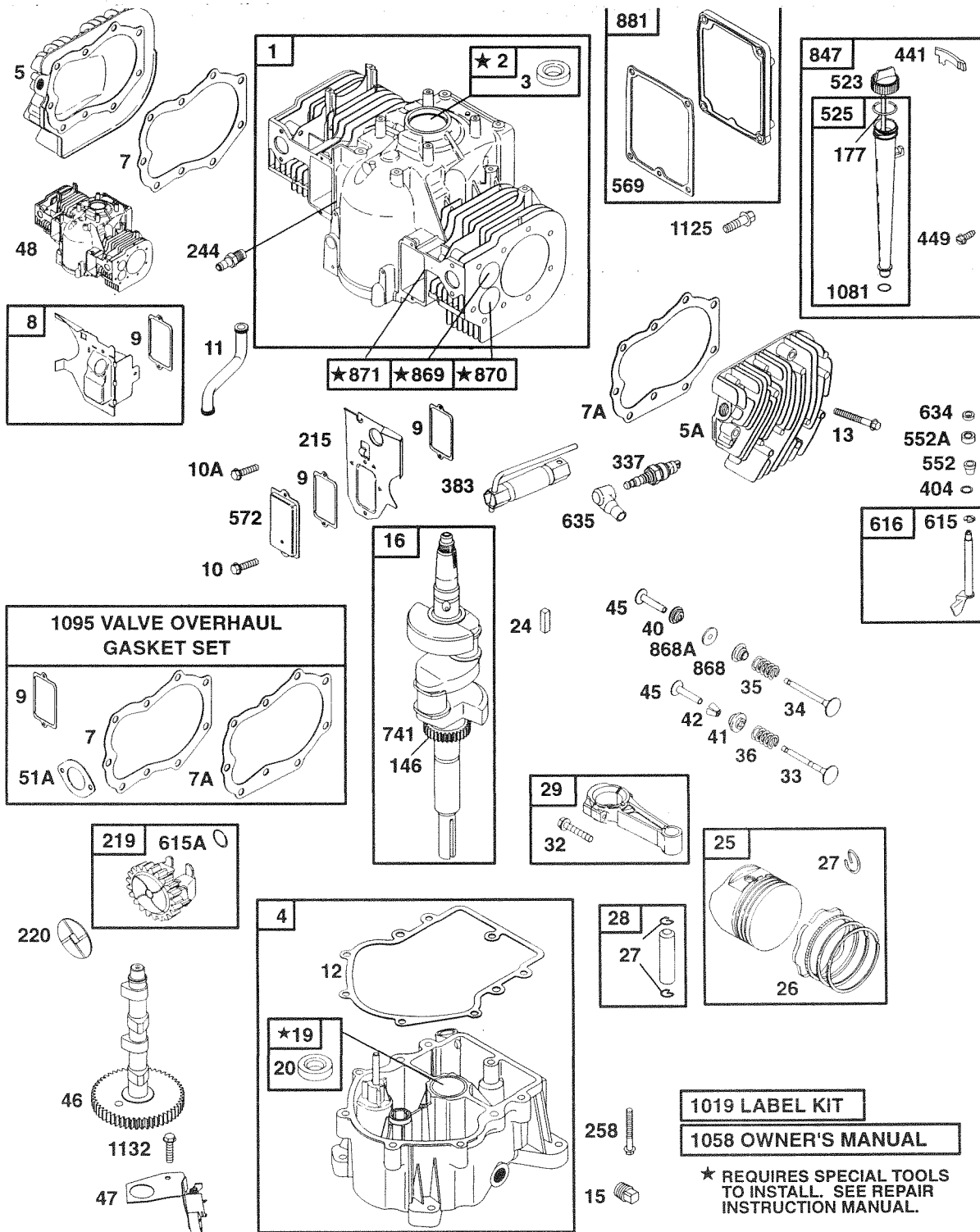
REF PART NO.	NO.	DESCRIPTION	REF PART NO.	NO.	DESCRIPTION
1	772147	Transaxle Cover	41A	790079	Brake Lever
2	780086A	Needle Bearing 5/8"	42	792073A	Screw 1/4 - 20 x 1-1/4"
3	770128	Transaxle Case	42A	792085A	Screw 1/4 - 20 x 2 1/4"
4	776395	Countershaft	43	792075	Locknut 5 / 16 - 24
5	776409	Output Shaft	44	790025	Brake Pad Holder
6	778364	Spur Gear (38 teeth)	45	786066	Spacer .2625 x 1.0
6A	778369	Spur Gear (15 teeth)	46	786086	Brake Lever Bracket
7	778330	Spur Gear (11 teeth)	47	774690	Axle (11-15 / 16" Long)
8	792180	Shift Key	48	774691	Axle (16 - 1 / 2" long)
8A	792047	Woodruff Key #9	49	778356	Spur Gear (29 teeth)
9	784352	Shift Collar	50	778338	Spur Gear (27 teeth)
10	784378	Shift Rod & Fork	51	778354	Spur Gear (23 teeth)
11	778334	Bevel Gear (30 teeth)	52	778352	Spur Gear (19 teeth)
12	778309	Input Bevel Pinion (13 teeth)	53	778350	Spur Gear (16 teeth)
13	778368	Bevel Gear (13 teeth) (Include. 14)	54	778346	Spur Gear (15 teeth)
14	778368	Bevel Pinion (13 teeth) (Include. 13)	56	778355	Spur Gear (11 teeth)
15	778370	Ring Gear (43 teeth)	57	778337	Spur Gear (13 teeth)
17	786188	Drive Pin	58	778353	Spur Gear (17 teeth)
18	786102	Spacer 1.130 X .695	59	778351	Spur Gear (21 teeth)
20	792077A	Ball 5/16" dia	60	778349	Spur Gear (24 teeth)
21	792078	Set Screw 3/8 - 16 x 3/8"	61	778345	Spur Gear (25 teeth)
22	792079	Spring .310 OD x .625 L	65	780189	Flat Washer .563 ID x .062W
25	792073A	Screw 1/4 - 20 x 1-1/4"	66	776422	Input Shaft
25A	792177	Screw 1/4-20 x 1-3/8"	67	776396	Shifter & Brake Shaft
26	792125	Retaining Ring (pkg of 2)	69	792170	Retaining Ring
27	792035	Retaining Ring	70	786187	Spacer .890
28	788040	Retaining Ring	71	788069	Square Cut Ring
29	780072	Thrust Washer .627 ID x .031W	71B	788092	"O" Ring
29A	780160	Thrust Washer .762 ID x .031W	76	780090	Flat Washer 1.128 ID x .058W
29B	780051	Thrust Washer .762 ID x .031W	77	788078A	Inverted Retaining Ring
29C	780199	Anti-Rotation Washer .632	79	792144	Spring .430 OD x .5000 L
30	780108	Cup Washer 1.127 ID x .032W	82	778333	Bevel & Spur Gear (30 & 13 teeth)
31	780001	Flat Washer .750 ID x .056W (Use As Needed)	83	778338	Spur Gear (27 teeth)
31A	780195	Flat Washer .750 ID x .062W	85	792154	Oil Fill Plug
32	788083	Oil Seal 5/8"	87	788089A	Oil Seal 9 / 16"
34	780194	Bushing .563	150	788093A	Liquid Gasket RTV Silicone
35	780193	Flanged Bushing 5 / 8" ID	157	788088A	Oil Seal 3 / 4"
35A	780197	Flanged Bushing .751	180	730229A	Gear Oil 80W90
36	790075	Brake Disk	900	794712	Replacement MST - 206-545C Transaxle
37	790007	Brake Pad Plate			
38	799021	Brake Pad (pkg of 2)			
39	786026	Dowel Pin			
40	792076A	Flat Washer .312 ID x .059W			

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

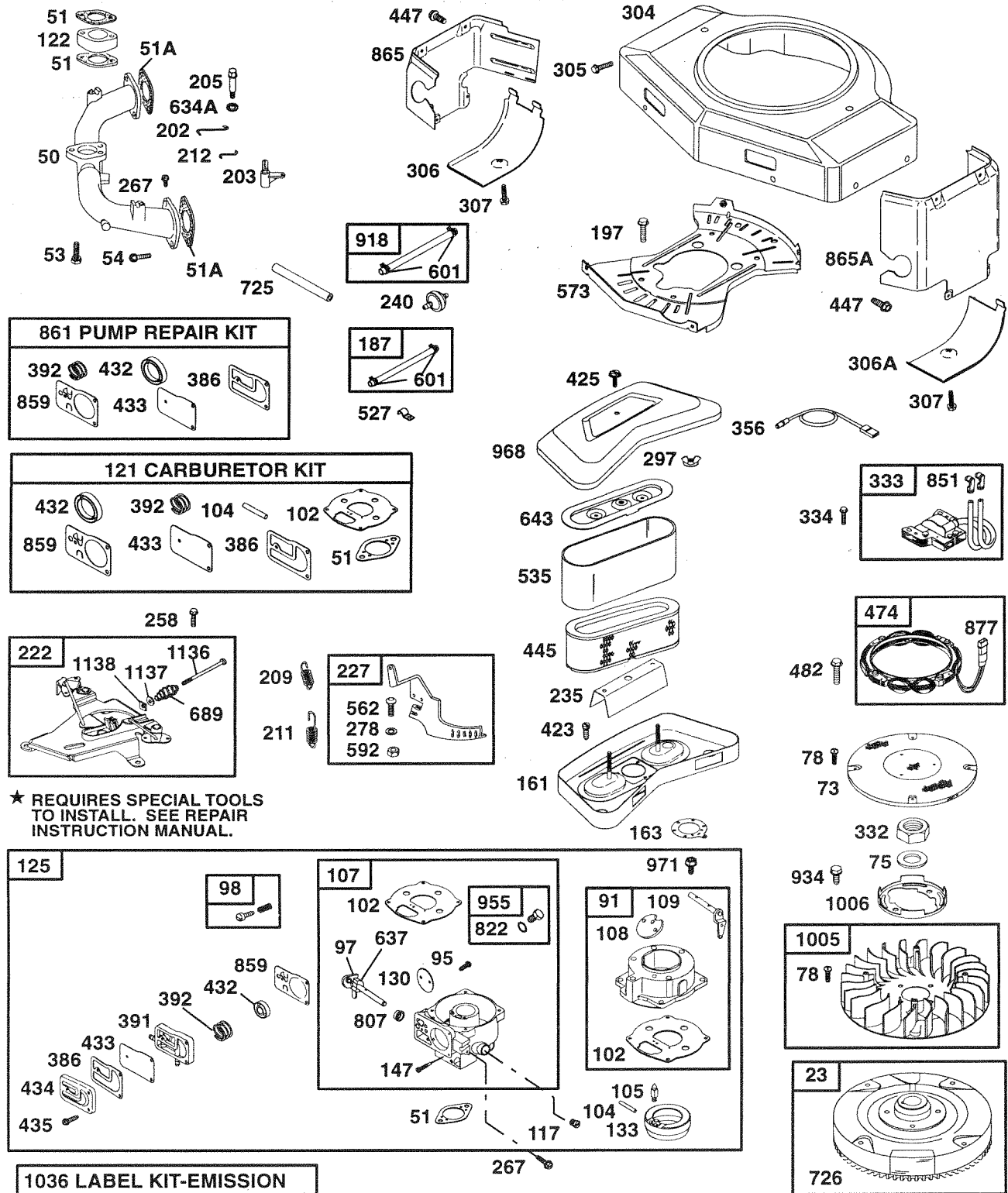
BRIGGS & STRATTON ENGINE - MODEL NUMBER 461707, TYPE NUMBER 0145-E1



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

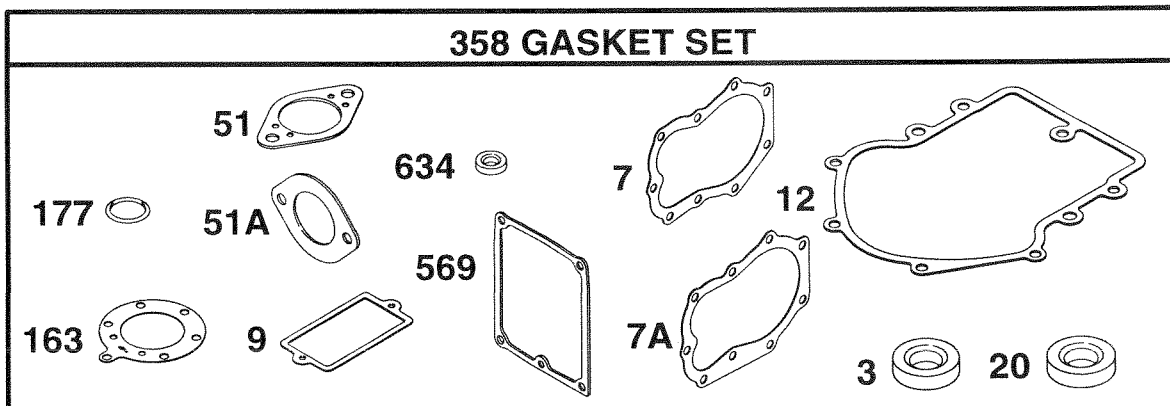
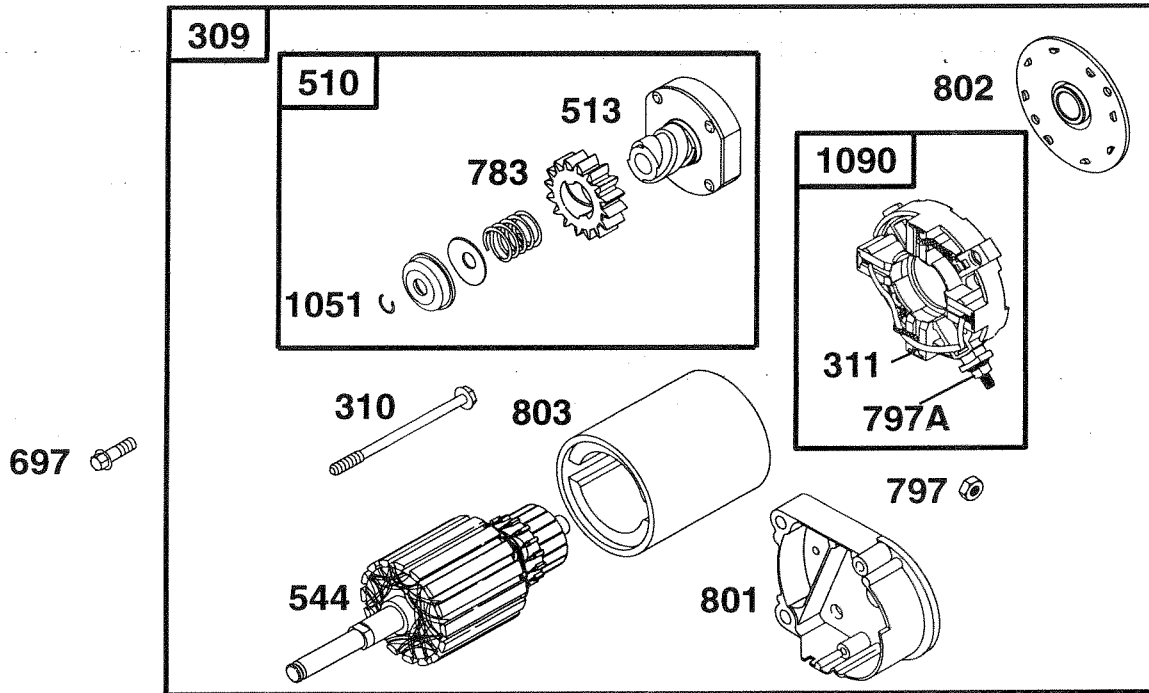
BRIGGS & STRATTON ENGINE - MODEL NUMBER 461707, TYPE NUMBER 0145-E1



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

BRIGGS & STRATTON ENGINE - MODEL NUMBER 461707, TYPE NUMBER 0145-E1



REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

BRIGGS & STRATTON ENGINE - MODEL NUMBER 461707, TYPE NUMBER 0145-E1

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	498583	Cylinder Assembly	133	693512	Float-Carburetor
2	399265	Bushing/Seal Kit	146	94196	Key-Timing
3	91086	★ Seal-Oil	147	693508	Jet-Pilot
4	493304	Sump-Engine	161	496599	Base-Air Cleaner
5	214517	Head-Cylinder #1	163	271411	★ Gasket-Air Cleaner
5A	214518	Head-Cylinder #2	177	271170	★ Seal-O-Ring
7	271867	★◆ Gasket-Cylinder Head #1	187	299146	Line-Fuel (Cut to Required Length)
7A	271868	★◆ Gasket-Cylinder Head #2	197	95063	Screw (Back Plate)
8	495754	Breather Assembly (Cylinder #1)	202	262683	Link-Mechanical Governor
9	27803	★◆ Gasket-Breather	203	280997	Crank-Bell
10	94382	Screw (Breather Assembly)	205	93971	Screw (Bell Crank)
10A	94380	Screw (Breather Cover)	209	262352	Spring-Governor
11	280225	Tube-Breather	211	261563	Spring-Governor
	273390	★ Gasket-Crankcase (.015" Thick, Std.)	212	693985	Link-Throttle
	271188	★ Gasket-Crankcase (.005" Thick)	215	224816	Guide-Air
	271189	★ Gasket-Crankcase (.009" Thick)	219	394348	Gear-Governor
13	94565	Screw (Cylinder Head)	220	222773	Washer-Thrust (Governor Gear)
15	94239	Plug-Oil Drain	222	491282	Bracket-Control
16	690666	Crankshaft	227	491297	Lever-Governor
19	399264	Bushing	235	224995	Shield-Fuel Spray
20	291675	★ Seal-Oil	240	394358	Filter-Fuel
23	491180	Flywheel	244	230318	Connector-Hose (Pulse Line)
24	222698	Key-Flywheel	258	94930	Screw (Engine Sump)
25	499180	Piston Assembly (Standard)	267	93897	Screw (Casing Clamp)
	499181	Piston Assembly (.010 "O.S.)	278	94942	Washer (Governor Lever)
	499182	Piston Assembly (.020" O.S.)	297	94289	Nut-Wing (Air Filter Retainer)
	499183	Piston Assembly (.030" O.S.)	304	691390	Housing-Blower
26	499184	Ring Set, Piston (Standard)	305	690960	Screw (Blower Housing)
	499285	Ring Set, Piston (.010 "O.S.)	306	222846	Shield-Cylinder
	499186	Ring Set, Piston (.020 "O.S.)	306A	223734	Shield-Cylinder
	499187	Ring Set, Piston (.030 "O.S.)	307	94930	Screw (Cylinder Shield)
27	263129	Lock-Piston Pin	309	497596	Motor-Starter
28	498319	Pin Assembly, Piston (Std.)	310	94003	Bolt (Starter Motor)
	498320	Pin Assembly-Piston (.005" O.S.)	311	497608	Brush Set
29	498314	Rod-Connecting (Standard)	332	230674	Nut (Flywheel)
	498541	Rod-Connecting (.020 U.S.)	333	394891	Armature-Magneto
32	95017	Screw (Connecting Rod)	334	94731	Screw (Magneto Armature)
33	390420	Valve-Exhaust (Include(s):	337	802592	Plug-Spark
	494553	Keeper-Valve (Ref. No. 42))	356	494705	Wire-Stop
34	691302	Valve-Intake	358	495868	Gasket Set
35	65906	Spring-Valve (Intake)	383	89838	Wrench-Spark Plug
36	26828	Spring-Valve (Exhaust)	386	693490	●+ Gasket-Pump
40	221596	Retainer-Valve (Exhaust)	391	693487	Body-Pump
41	292260	Retainer-Valve (Exhaust)	392	693491	●+ Spring-Pump Diaphragm
42	494553	Keeper-Valve	404	223882	Washer (Governor Crank)
45	261368	Tappet-Valve	423	94674	Screw (Air Cleaner Base)
46	214487	Camshaft	425	94823	Screw (Air Cleaner Cover)
47	393415	Slinger-Oil	432	693492	●+ Cap-Spring
48	498542	Short Block	433	693489	●+ Diaphragm-Fuel Pump
50	213290	Manifold-Intake	434	693493	Cover-Diaphragm
51	271412	★● Gasket-Intake	435	693494	Screw (Diaphragm Cover)
51A	270884	★◆ Gasket-Intake	441	222875	Bracket-Oil Fill
53	93970	Screw (Carburetor)	445	394019	Filter-Air
54	93208	Screw (Intake Manifold)	447	93343	Screw (Air Guide Cover)
73	691438	Screen-Rotating	449	94882	Screw (Oil Fill Bracket)
75	222511	Washer (Flywheel)	474	93474	Alternator
78	691134	Screw (Flywheel Fan)	482	93621	Screw (Alternator)
91	693483	Body Assembly-Upper	510	497606	Drive-Starter
95	690718	Screw (Throttle Valve)	513	398003	Clutch-Drive
97	693485	Shaft-Throttle	523	494947	Dipstick
98	807923	Kit-Idle Speed	525	495348	Tube-Oil Fill
102	693509	● Gasket-Carburetor Body	527	223167	Clamp-Tube
104	693506	● Pin-Float Hinge	535	272490	Filter-Air
105	692078	● Valve-Float Needle	544	97603	Armature-Starter
107	693482	Body Assembly-Lower	552	262332	Bushing (Governor Crank)
108	693505	Valve-Choke	552A	262331	Bushing (Governor Crank)
109	693498	Shaft-Choke	562	93853	Bolt-Carriage (Governor Lever)
117	693538	Jet-Main	569	272645	★ Gasket-Base
	693500	Jet-Main (High Altitude)	572	222892	Cover-Breather (Cylinder #2)
121	491539	Carburetor Kit	573	491304	Plate-Back
122	281411	Spacer	592	92278	Nut (Governor Lever)
125	693479	Carburetor	601	95162	Clamp-Hose
130	693504	Valve-Throttle			

REPAIR PARTS

TRACTOR - - MODEL NUMBER 944.609700

BRIGGS & STRATTON ENGINE - MODEL NUMBER 461707, TYPE NUMBER 0145-E1

KEY NO.	PART NO.	DESCRIPTION
615	94296	Retainer (Governor Crank)
615A	93898	Retainer-Governor Shaft
616	491530	Crank-Governor
634	491287	★ Seal-Governor Shaft
634A	271013	Washer-Foam
635	66538	Boot-Spark Plug
637	693510	Washer-Seal
643	496700	Retainer-Air Filter
689	262337	Spring-Friction
697	93585	Screw (Drive Cap)
725	280866	Shield-Heat
726	91362	Gear-Ring
741	262989	Gear-Timing
783	693059	Gear-Starter
797	94010	Nut (Starter Terminal)
797A	693167	Nut (Starter Terminal)
801	394860	Cap-Drive
802	497607	Cap-End
803	497604	Housing-Starter
807	693511	Spacer
822	693497	Washer-Seal (Throttle Shaft)
847	495715	Dipstick/Tube Assembly
851	493880	Terminal-Cable
859	693488	●+ Diaphragm-Fuel Pump
861	393397	Kit-Fuel Pump
865	224774	Cover-Air Guide
865A	224775	Cover-Air Guide
868	497656	Seal-Valve
868A	273312	Seal-Valve
869	261463	Seat-Valve (Intake)
870	262924	Seat-Valve (Exhaust)
871	261961	Bushing-Guide (Exhaust)
	231218	Bushing-Guide (Intake)
877	393456	Wire-Alternator
881	495901	Plate-Cover
918	393815	Hose-Vacuum (Cylinder-To-Impulse Pump)(Cut to Required Length)
934	94627	Screw (Fan Retainer)
955	693513	Plug-Carburetor
968	225008	Cover-Air Cleaner
971	805540	Screw (Upper Body To Lower Body)
1005	498157	Fan-Flywheel
1006	224901	Retainer-Fan
1019	496726	Label Kit
1036	499382	Label Kit-Emission
1051	263080	Ring-Retaining
1058	273688	Owner's Manual
1081	280860	★ Seal-O-Ring
1090	497605	Retainer-Brush
1095	498047	Gasket Set-Valve Overhaul
1125	94724	Screw (Cover Plate)
1132	94675	Screw (Oil Slinger)
1136	94297	Screw (Governor, Control Rod)
1137	220680	Washer (Governor, Control Rod)
1138	94298	Nut (Governor, Control Rod)
— —	460707-0145-E1	Replacement Engine

- ★ Included in Gasket Set, Ref Number 358.
- Included in Carburetor Kit, Ref Number 121.
- ◆ Included in Valve Overhaul Kit, Ref Number 1095.
- + Included in Fuel Pump Kit, Ref Number 861
- ★ ●◆+

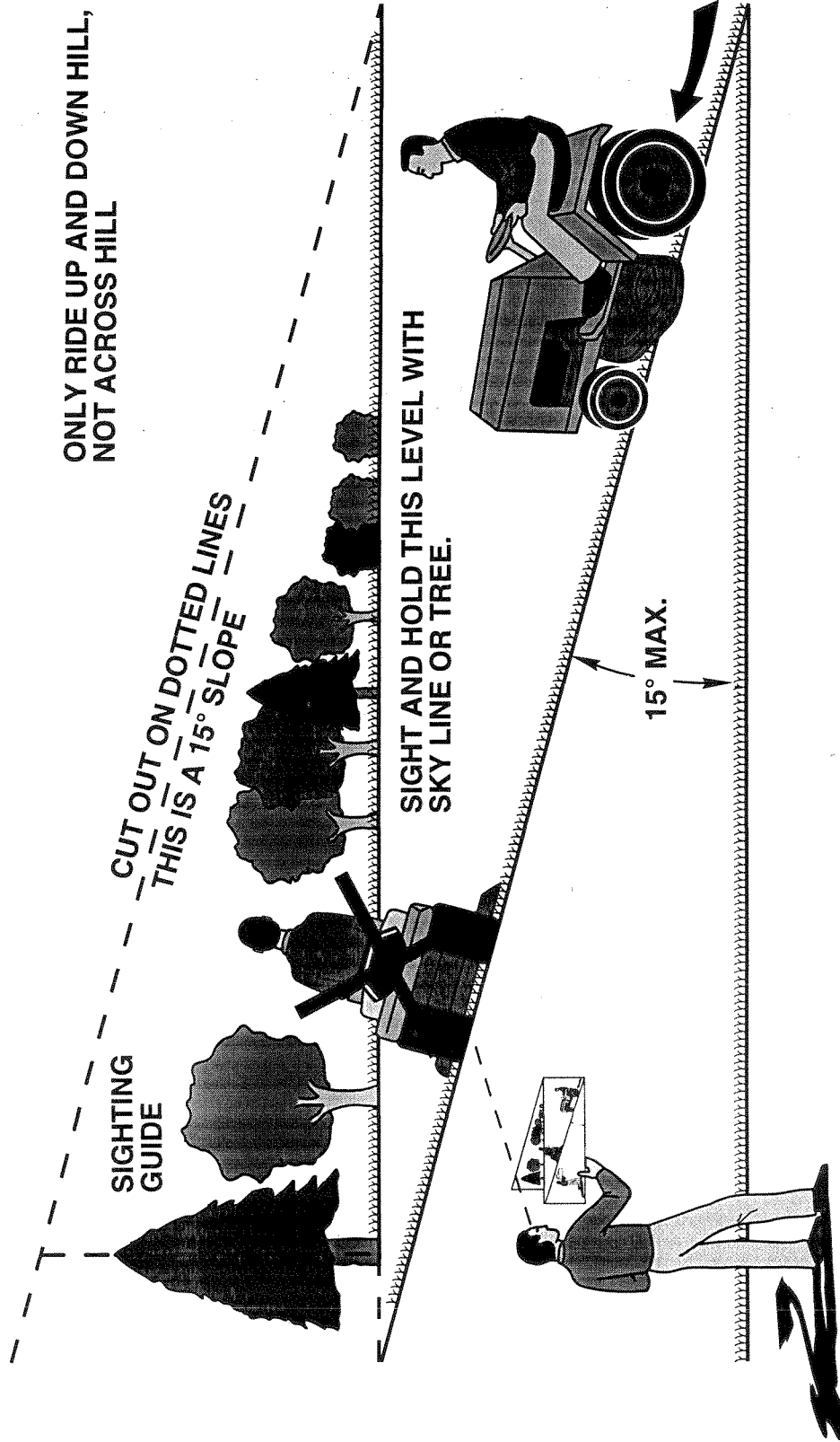
SERVICE NOTES


SERVICE NOTES

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.
944.609700

**HOW TO ORDER
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The model number for your engine will be found on the blower housing of the engine.

All parts listed herein may be ordered from any Sears Canada, Inc. Service Centre/Department and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- **PRODUCT - TRACTOR**
- **MODEL NUMBER - 944.609700**
- **ENGINE MODEL NUMBER - 461707, TYPE NUMBER 0145-E1**
- **PART NUMBER**
- **PART DESCRIPTION**

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