

FILE COPY

SEARS
OWNER'S
MANUAL

MODEL NO.
917.256240

FILE COPY

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



CRAFTSMAN®
12.0 HP IC
36" MOWER DECK
6 SPEED TRANSAXLE
LAWN RIDER

FILE COPY

4/16
 6/6/16

Assembly
 Operation
 Maintenance
 Service and Adjustment
 Repair Parts

RULES FOR SAFE OPERATION



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

CAUTION: USED TO ALERT YOU THAT THERE IS A POSSIBILITY OF DAMAGE TO THIS EQUIPMENT.

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

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other States may have similar laws. Federal laws apply on federal lands.

NOTE: Gives essential information that will aid you to better understand, incorporate, or execute a particular set of instructions.

1. Know the controls and how to stop quickly. READ THIS OPERATOR'S MANUAL and instructions furnished with attachments.
2. Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. Do not mow when children and others are around.
4. Protect eyes by wearing safety glasses. Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
5. Keep your eyes and mind on your tractor, mower, and the area being cut. Do not let other interests distract you.
6. Do not attempt to operate your tractor or mower when not in the drivers seat.
7. Always get on or off your tractor from the operator's left hand side.
8. Clear the work area of objects (wire, rocks, etc.) which might be picked up and thrown.
9. Disengage all attachment clutches before attempting to start the engine.
10. Disengage power to attachments and stop the engine before leaving the operator's position.
11. Disengage power to mower, stop the engine, and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment, or repair. Be careful to avoid touching hot muffler or engine components.
12. Disengage power to attachments when transporting or not in use.
13. Take all possible precautions when leaving the vehicle unattended. Disengage the power-take-off, lower the attachments, shift into neutral, set the parking brake, stop the engine, and remove the key.
14. Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of slopes (not greater than 15°); never across the face. Refer to slope sheet in Bag of Parts.
15. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
16. While going up or down slopes, place Gear Shift Control Lever in 1st gear position to negotiate the slope without stopping.
17. Never mow in wet or slippery grass, when traction is unsure, or at a speed which could cause a skid.
18. Stay alert for holes in the terrain and other hidden hazards. Keep away from drop-offs.
19. Do not drive too close to creeks, ditches, and public highways.
20. Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign objects.
21. Never shift gears until tractor comes to a stop.
22. Never place hands or feet under the mower, in discharge chute, or near any moving parts while tractor or mower are running. Always keep clear of discharge chute.
23. Use care when pulling loads or using heavy equipment.
 - a. Use only approved drawbar hitch points.
 - b. Limit loads to those you can safely control.
 - c. Do not turn sharply. Use care when backing.
 - d. Use counterweight or wheel weights when suggested in owner's manuals.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
26. Handle gasoline with care - it is highly flammable.
 - a. Do not smoke or use open flame.
 - b. Use approved gasoline containers.
 - c. Never remove gasoline cap from fuel tank or add gasoline to a running or hot engine. Allow engine to cool for a few minutes. Never fill tank indoors. Always clean up spilled gasoline.
 - d. Never run engine indoors or in a poorly ventilated area, such as a garage or utility building.
27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place and working.
28. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
29. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
30. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease. Do not clean product while engine is running.
31. Except for adjustments, DO NOT operate Engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.
32. Do not operate without a muffler, or tamper with exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.
33. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
34. Do not change the engine governor settings or overspeed the engine; severe damage or injury may result.
35. When using the vehicle with mower, proceed as follows:
 - a. Mow only in daylight or in good artificial light.
 - b. Shut the Engine off when unclogging chute or emptying bags.
 - c. Check the blade mounting bolts for proper tightness at frequent intervals.
36. Do not operate the mower without either the entire grass catcher, on mowers so equipped, or the the deflector shield in place.
37. Disengage power to mower before backing up. Do not mow in reverse unless absolutely necessary and then only after careful observation of the entire area behind the mower.
38. Under normal usage the grass catcher bag material is subject to deterioration and wear. It should be checked frequently for bag replacement. Replacement bags should be checked to ensure compliance with the original manufacturer's recommendations or specifications.

INTRODUCTION

CONGRATULATIONS on your purchase of a Sears Lawn Rider. It has been designed, engineered, and manufactured to give you the best dependability and performance. Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Department. We have competent, well trained technicians and the proper tools to service or repair this unit.

READ THIS MANUAL - to learn to operate and service your tractor. Incorrect operation or service may cause personal injury or damage to your equipment.

- **BE SURE-** you understand and follow all instructions.
- **RIGHT AND LEFT SIDES** - of tractor are determined by sitting in the driver's seat facing forward.
- **PARTS AND SERVICE** - are available at your nearest Sears Service Center/Department.

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 "Maintenance" and "Storage" sections of this Owner's Manual.

SPECIFICATIONS

ENGINE	CUTTING WIDTH	SPARK PLUG	SPARK PLUG GAP
12 H.P. Briggs & Stratton	36 Inches .91 meters	Resistor Long Champion RJ-8 Autolite 306	.030 Inches (.76 mm)
OIL CAPACITY	FUEL CAPACITY	IDLE SPEED	ENGINE VALVES
3 Pints (1.4 Liters)	1.4 Gallons (5.3 Liters)	1750 RPM	Int-.005 Exh.-.011
FRONT TIRE PRESSURE	REAR TIRE PRESSURE	FRONT TIRE SIZE	REAR TIRE SIZE
14 PSI 1 Kg/cm ²	12 PSI .84 Kg/cm ²	13" x 5" 33 cm x 12.7 cm	16" x 7.5" 40.6 cm x 19 cm



DO NOT OVERLOAD TRACTOR BY TOWING WEIGHTS GREATER THAN 150 POUNDS.

NOTE: A Spark Arrester Kit is available as an accessory part for your tractor. Check legal requirements in your area.

WARRANTY

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

For two years from date of purchase, when this riding equipment is maintained, lubricated, and tuned up according to the operating and maintenance instruction in the owner's manual, Sears will repair free of charge any defect in material or workmanship in this electric start riding equipment.

This warranty excludes blade(s), blade adapter(s), spark plug(s), air cleaner and belt(s), which are expendable and become worn during normal use.

This warranty does not cover:

- Tire replacement or repair caused by punctures from outside objects (such as nails, thorns, stumps, or glass); and
- repairs necessary because of operator abuse or negligence, including the failure to maintain the equipment according to instructions contained in the owner's manual; and
- riding equipment used for commercial or rental purposes.

FULL 90 DAY WARRANTY ON BATTERY

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

WARRANTY SERVICE IS AVAILABLE BY CONTACTING THE NEAREST SEARS SERVICE CENTER DEPARTMENT IN THE UNITED STATES. This warranty applies only while this product is in use in the United States.

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

SEARS, ROEBUCK and CO., D/731CR-W, Sears Tower, Chicago, IL 60684

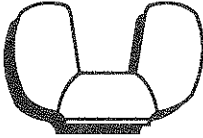




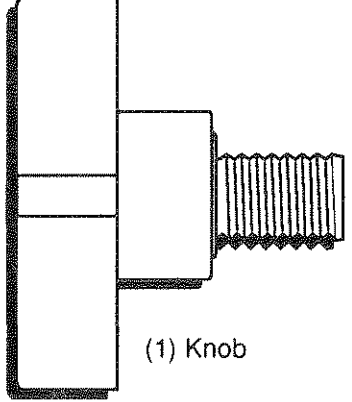
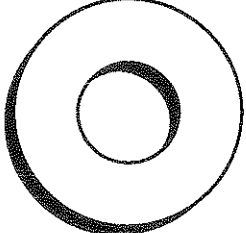
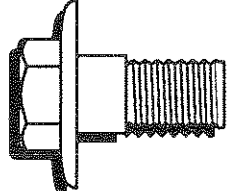
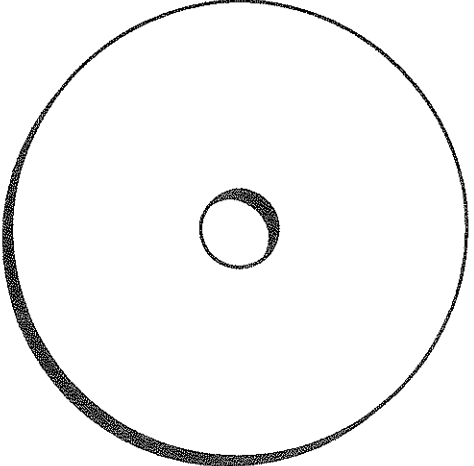
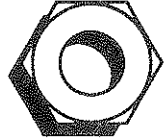
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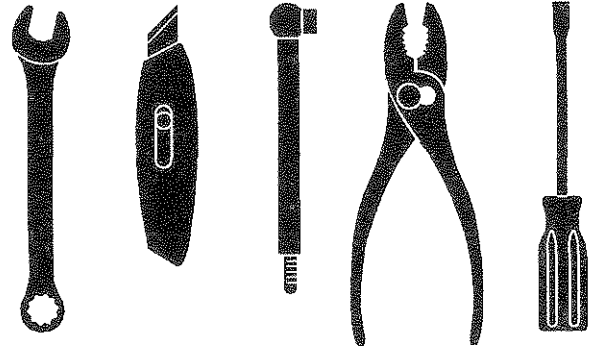
ASSEMBLY

ASSEMBLY LOCATION	BAG OF PARTS (CONTENTS SHOWN FULL SIZE)
BATTERY	<div style="text-align: center;">  <p>(2) Wing Nut, 1/4 - 20</p> </div>
BATTERY TERMINALS	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(2) Hex Bolt, 1/4 - 20 x 3/4</p> </div> <div style="text-align: center;">  <p>(2) Lockwasher, 1/4</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  <p>(2) Washer, 9/32 x 5/8 x 16 Ga.</p> </div> <div style="text-align: center;">  <p>(2) Hex Nut, 1/4 - 20</p> </div> </div>
SEAT	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(1) Knob</p> </div> <div style="text-align: center;">  <p>(1) Washer 17/32 x 1 3/16 x 12 Ga.</p> </div> <div style="text-align: center;">  <p>(1) Shoulder Bolt 5/16 - 18</p> </div> </div>
STEERING WHEEL	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(1) 2 3/8" Dia. Washer</p> </div> <div style="text-align: center;">  <p>(1) Lock Nut, 3/8 - 24</p> </div> </div>

ASSEMBLY

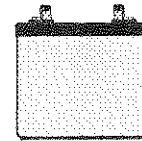
TOOLS YOU WILL NEED

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



OPEN CARTON

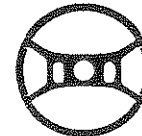
- Remove box of parts
- (1) Battery
- (1) Steering Wheel
- (1) Bag of Parts
- (1) Battery Acid
- (1) Seat
- (1) Steering Sleeve



BATTERY



BATTERY ACID



STEERING WHEEL



SEAT



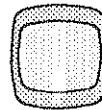
BAG OF PARTS



STEERING SLEEVE

BAG OF PARTS (contents not shown full size).

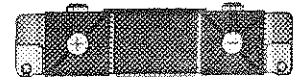
- (1) Steering Wheel Insert
- (2) Keys
- (1) Terminal Guard
- (2) Battery Carriage Bolts
- (1) Steering Clip
- (1) Battery Tray
- (1) Operator's Manual
- (1) Slope Instruction
- (1) Battery Caps and Instructions
- (1) Steering Wheel Adapter



STEERING WHEEL INSERT



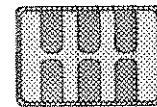
(2) KEYS



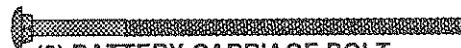
TERMINAL GUARD



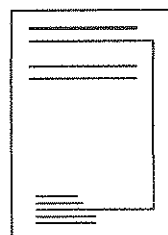
STEERING CLIP



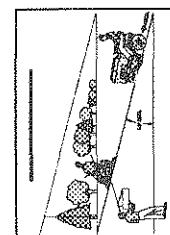
BATTERY TRAY



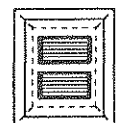
(2) BATTERY CARRIAGE BOLT
1/4-20 X 7-1/2



OWNER'S MANUAL



15° SLOPE INSTRUCTION



BATTERY CAPS AND INSTRUCTIONS



STEERING WHEEL ADAPTER

ASSEMBLY

PREPARE BATTERY



WARNING: READ THE INSTRUCTIONS INCLUDED WITH THE BATTERY ACID CONTAINER. ALWAYS WEAR GLOVES, CLOTHING, AND GOGGLES TO PROTECT YOUR HANDS, SKIN, AND EYES.

WASH HANDS OR CLOTHING IMMEDIATELY IF IN CONTACT WITH BATTERY ACID.

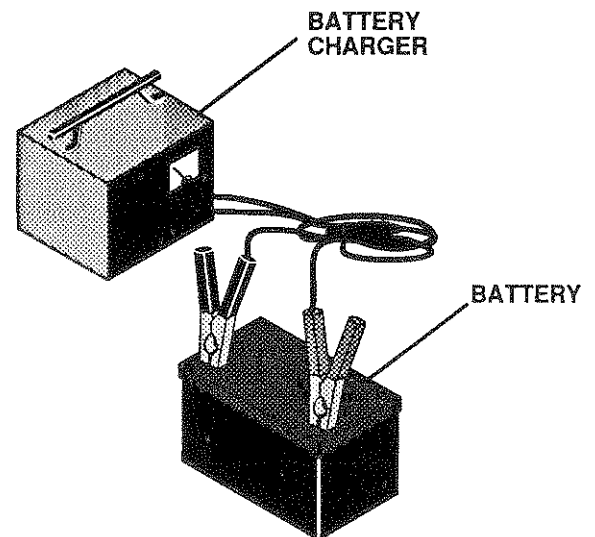
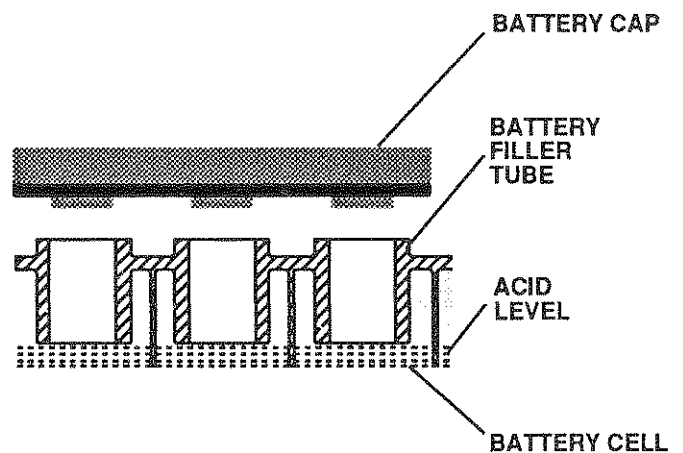
DO NOT SMOKE. FUMES FROM CHARGED BATTERY ACID ARE EXPLOSIVE.

See instructions packed with vent caps in bag of parts.

- Remove Battery and Acid Pack from carton.
- Fill battery with Battery Acid.
- Fill to bottom of Battery Filler Tube (do not over fill).
- Check Battery Acid level after thirty minutes.
- Add acid if needed.
- Install Battery Caps.
- Dispose of excess battery acid by adding two gallons of water in five gallon plastic container. Stir with wooden or plastic paddle while adding baking soda. Add baking soda until foaming stops.

IMPORTANT: IT IS NECESSARY TO CHARGE YOUR BATTERY AFTER ACTIVATING WITH ACID. FAILURE TO CHARGE AT THIS TIME CAN SHORTEN BATTERY LIFE.

- Charge Battery: use a 12 volt Battery Charger and charge at a rate of 6 amps for 1 hour.
- Connect positive (+) charger cable to positive (+) Battery Terminal.
- Connect negative (-) charger cable to negative (-) Battery Terminal.
- Plug in Battery Charger. Later, unplug charger before disconnecting Battery Connections.
- Check acid level after Battery is charged.
- Add **water** if needed.



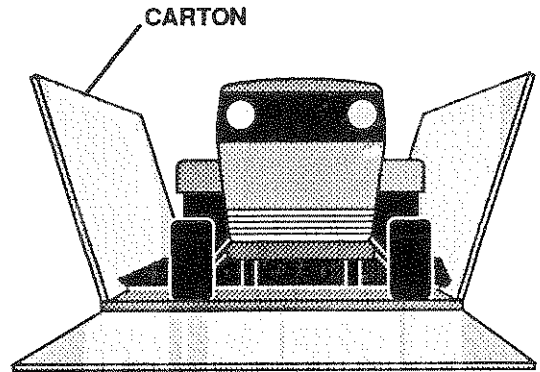
Your Lawn Rider has a charging system which is sufficient enough for normal use. However, periodic charging with an automotive battery charger will extend the life of the battery.

ASSEMBLY

IMPORTANT: WHILE BATTERY IS CHARGING, CONTINUE WITH THE ASSEMBLY OF YOUR TRACTOR.

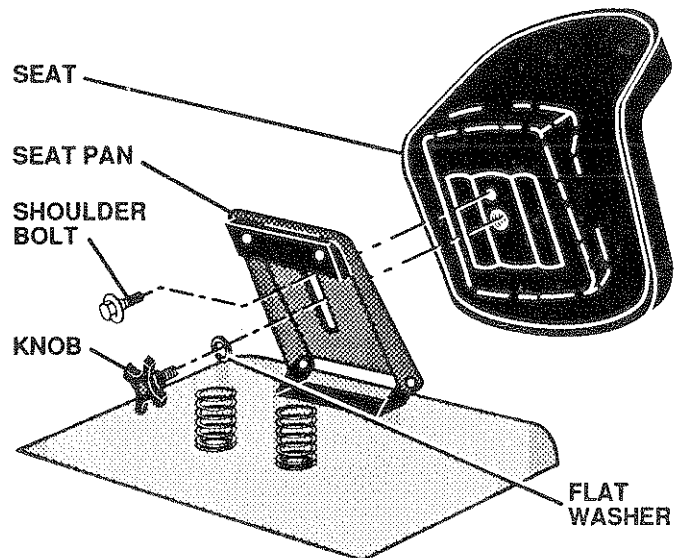
PREPARING THE TRACTOR

- Cut down four corners of Carton
- Fold down sides.
- Remove rear flap.



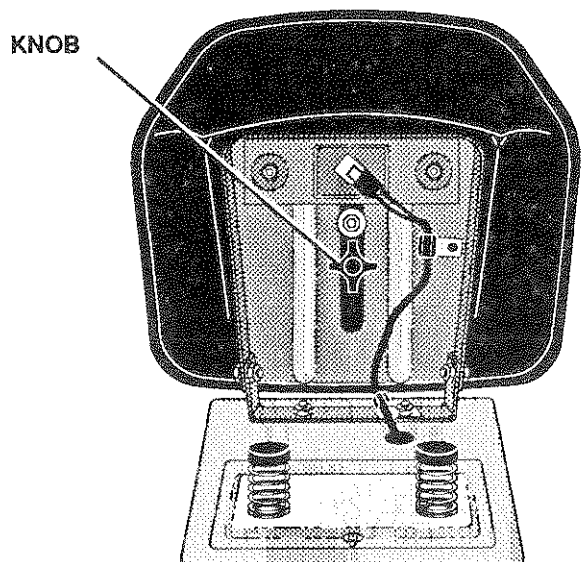
INSTALL SEAT


- Remove cardboard on Seat Pan
- Place Seat on Seat Pan.
- Screw Shoulder bolt into Seat.
- Screw Knob and Flat Washer into Seat. Do not tighten.
- Tighten Shoulder Bolt using a 1/2" wrench.



ADJUST SEAT

- Place Seat in operating position.
- Sit on Seat.
- Press Clutch/Brake Pedal all the way down.
- Slide Seat until a comfortable position is reached which allows you to press the Clutch and Brake Pedal (see figure on pg. 15) all the way down.
- Get off Seat without changing location.
- Raise Seat and tighten Knob.

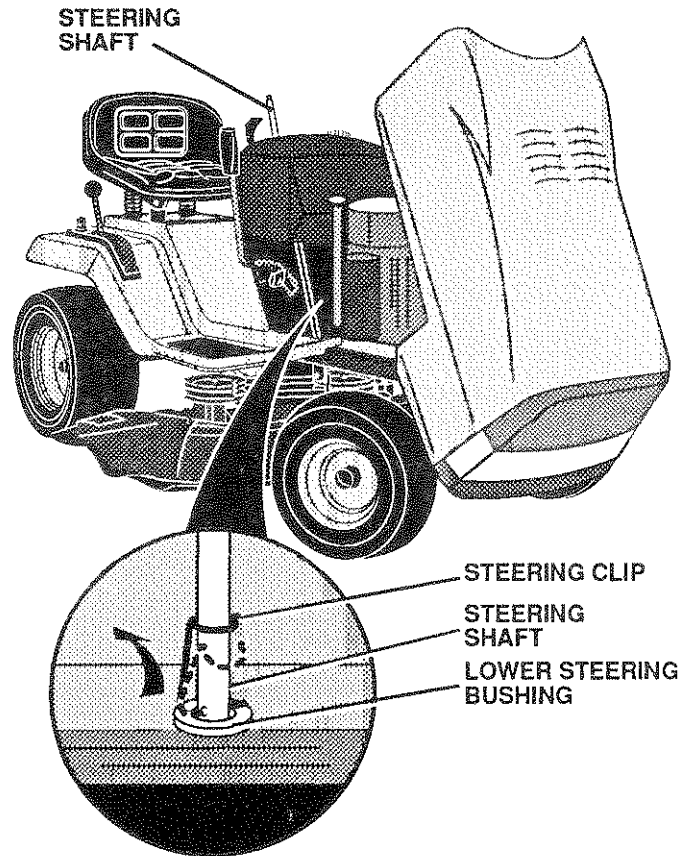


 **WARNING: KNOB MUST BE TIGHTENED SECURELY TO PREVENT MOVEMENT OF SEAT.**

ASSEMBLY

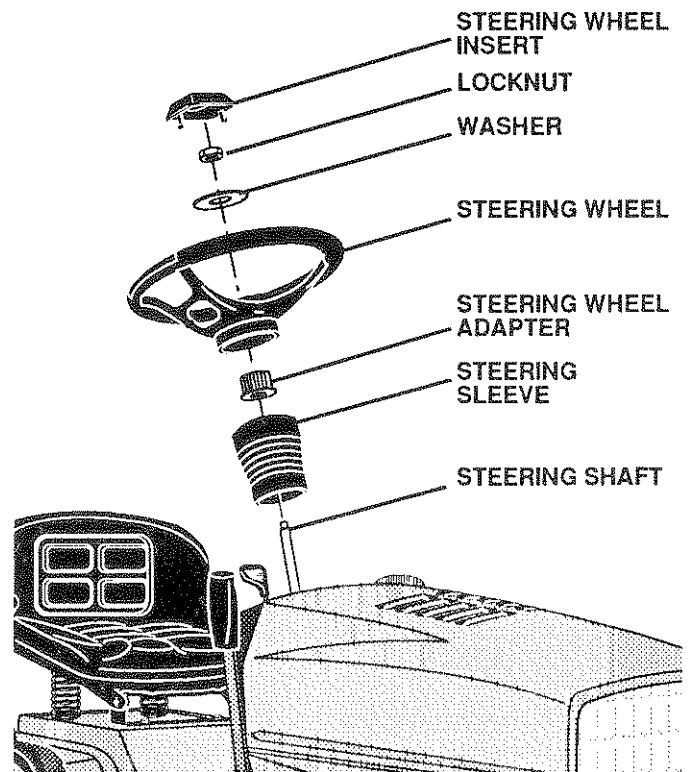
POSITION STEERING SHAFT

- Lift Hood.
- Pull Steering Shaft up to engage gears.
- Push Steering Clip through hole on Steering Shaft at 45° (hole is located under dash and above lower Steering Bushing).
- Push Steering Clip onto Steering Shaft until Steering Clip snaps into place.



INSTALL STEERING WHEEL

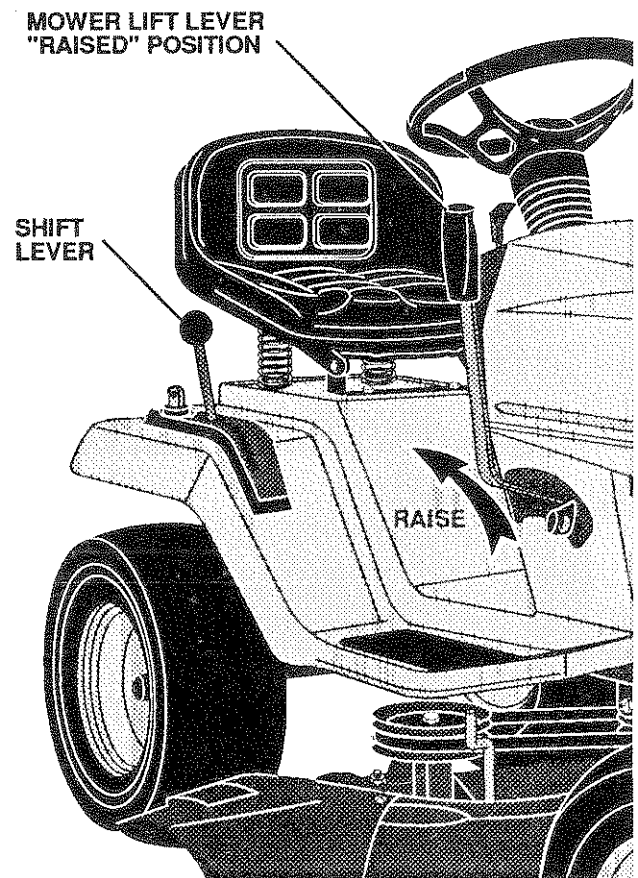
- Place Steering Sleeve over Shaft (bottom of Sleeve goes over ring on dash).
- Place Steering Wheel Adapter on Steering Shaft.
- Be sure front wheels are pointed straight ahead.
- Put Steering Wheel on Steering Wheel Adapter (bars of Steering Wheel should point straight across tractor).
- Place 2 3/8" dia. Washer on Steering Shaft and install a 3/8" Locknut.
- Tighten the Locknut with a 9/16" wrench.
- Snap Steering Wheel Insert onto Steering Wheel.



ASSEMBLY

REMOVE TRACTOR FROM SKID

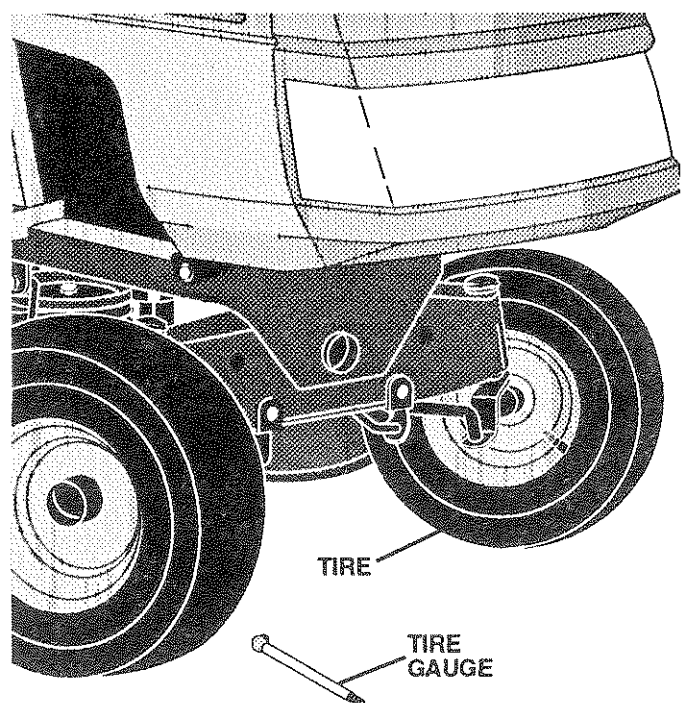
- Raise Mower Lift Lever.
- Place Shift Lever in neutral.
- Release Parking Brake by pushing in Clutch / Brake Pedal (see figure pg. 14), then release.
- Remove plastic on tractor hood.
- Remove staples from carton base to avoid puncturing tires.
- Back tractor off skid by pulling.



CHECK TIRES

- Use Tire Gauge to check pressures.
- Reduce tire pressure in front tires to 14 pounds. Valve stem inboard.
- Reduce tire pressure in rear tires to 12 pounds. Valve stem outboard.

NOTE: Tires were over inflated for shipping purposes. Wrong air pressure will keep mower from cutting level.



ASSEMBLY

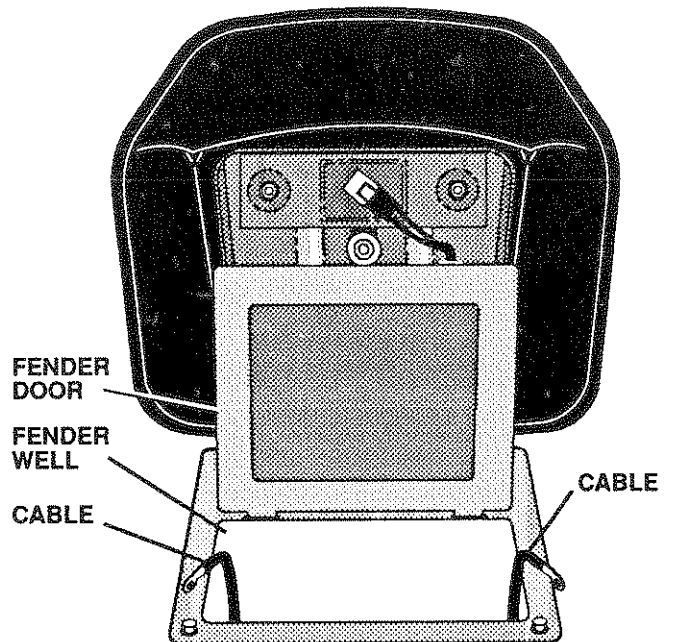
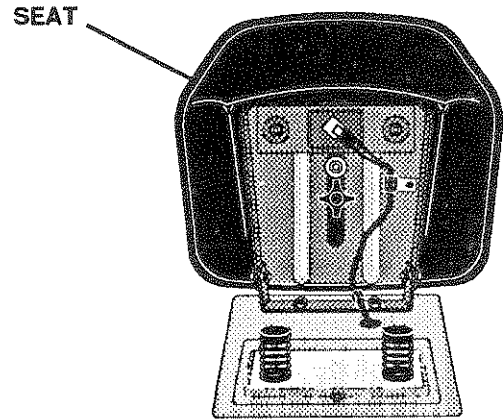
INSTALL BATTERY

(AFTER CHARGING FOR 1 HOUR)

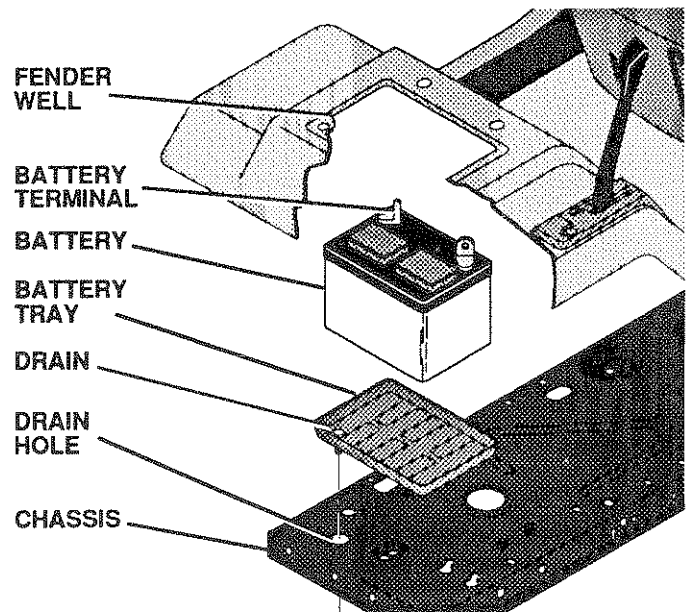


WARNING: BEFORE INSTALLING BATTERY REMOVE METAL BRACELETS, WRISTWATCH BANDS, RINGS, ETC. FROM YOUR PERSON. TOUCHING THESE ITEMS TO BATTERY COULD RESULT IN BURNS.

- Lift Seat.
- Lift Fender Door.
- Before placing Battery Tray and Battery in Fender Well, move Cables out of the way.



- Lower Battery Tray into Fender Well making sure that the drain in the Battery Tray fits into the drain hole on the chassis (located on the lower left rear of chassis).
- Lower Battery into Fender Well with Battery Terminals toward front of tractor.
- Make sure Battery rests in Battery tray.



ASSEMBLY



WARNING: POSITIVE TERMINAL MUST BE CONNECTED FIRST TO PREVENT SPARKS FROM ACCIDENTAL GROUNDING.

- Connect **RED** Battery Cable and **RED** Fused Ignition Wire to Positive (+) Terminal of battery.
- Attach with Hex Bolt, Flat Washer, Lock Washer, and Hex Nut.
- Tighten with two 7/16" wrenches.
- Connect **BLACK** Ground Cable to Negative (-) Terminal of battery.
- Attach with Hex Bolt, Flat Washer, Lock Washer, and Hex Nut.
- Tighten with two 7/16" wrenches.
- Place Battery Bolt in Key Hole on frame (head of bolt down).
- Fasten the Battery Bolt to the Terminal Guard with Wing Nut.
- Both sides fasten the same way.
- Replace Fender Door and secure with 1/4 turn of fastener.



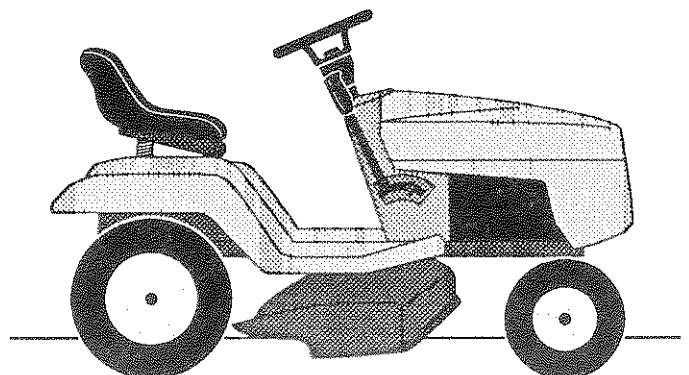
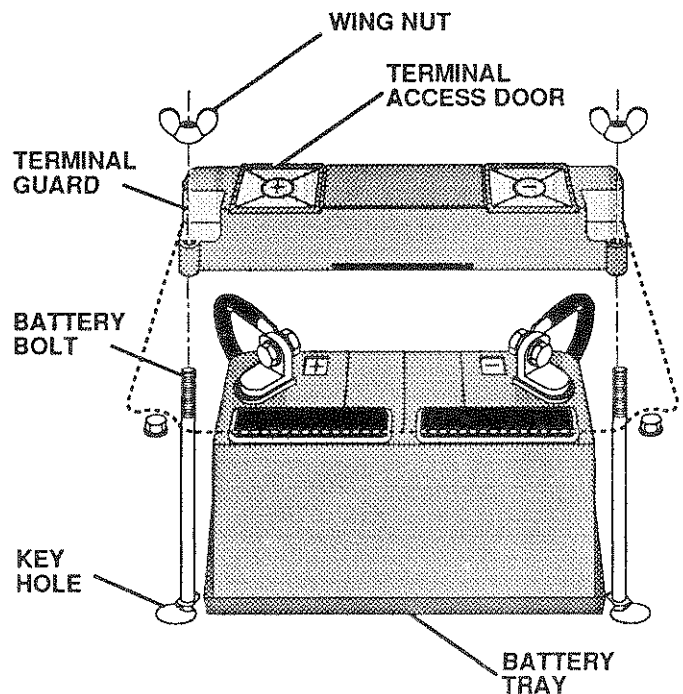
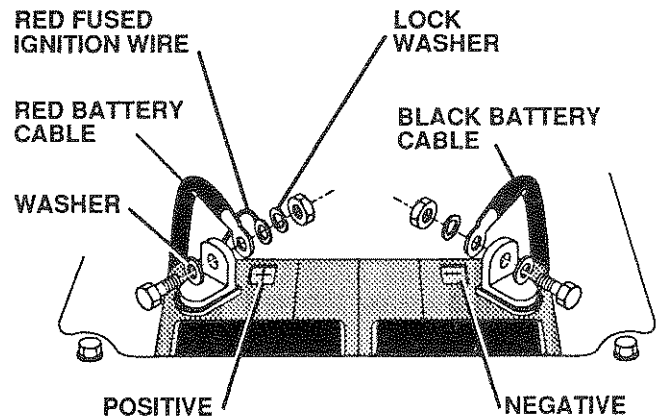
WARNING: KEEP TERMINAL ACCESS DOORS CLOSED WHEN NOT USED TO INSPECT TERMINALS.

Note: Use terminal access doors for:

- Inspection of ground connections (tighten hardware).
- Inspection of corrosion.
- Testing Battery.
- Jumping (if required).
- Charging (if required).

CHECK MOWER LEVEL

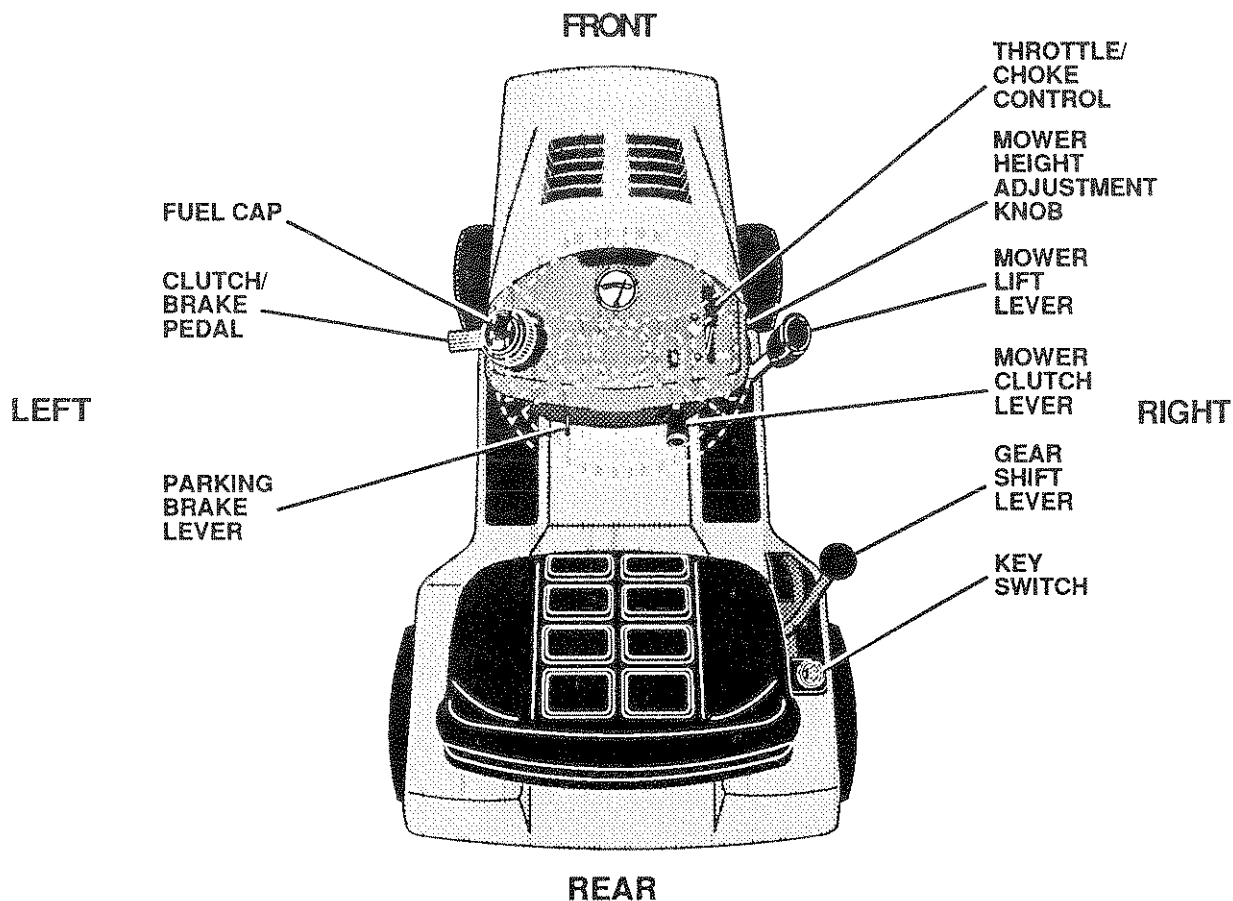
- Check for level deck, Front to Rear and Side to Side (see page 31 for instruction).



OPERATION

KNOW YOUR LAWN RIDER

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR LAWN RIDER. Compare the illustrations with your Lawn Rider to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.



MEETS ANSI SAFETY STANDARDS

Sears Riding Tractors conform to the safety standards of the American National Standards Institute (Reference ANSI/OPEI B71.1 1986 American National Standard for lawn and garden tractors - safety specifications).

CONTROLS

- **KEY SWITCH:** Is used to start and stop engine.
- **THROTTLE/CHOKE CONTROL:** This control will increase or decrease the speed of the engine and apply choke as needed.
- **CLUTCH/BRAKE PEDAL:** Used to disengage drive and to stop tractor.
- **GEARSHIFT LEVER:** Select the desired speed by moving gearshift lever.
- **PARKING BRAKE LEVER:** Set parking brake lever when leaving tractor to keep tractor from rolling.
- **MOWER CLUTCH LEVER:** Engages blade cutting action.
- **MOWER LIFT LEVER:** Use to raise or lower mower deck.
- **MOWER HEIGHT ADJUSTMENT KNOB:** Is used to set mower cutting height for mowing.

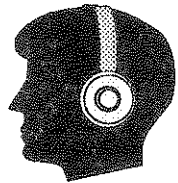
OPERATION



The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before starting your tractor and while moving. We recommend Wide Vision Safety Mask for over the spectacles or standard safety glasses.



ALWAYS WEAR SUBSTANTIAL FOOTWEAR AND AVOID LOOSE FITTING CLOTHING THAT COULD GET CAUGHT IN MOVING PARTS.



Prolonged exposure to loud noise can cause impairment or loss of hearing. Wear a suitable hearing protective device such as earmuffs or ear plugs to protect against loud noises.

HOW TO USE YOUR TRACTOR

STOPPING

- Push Clutch/Brake Pedal all the way down to "**BRAKE**" position.
- Place Mower Clutch lever in "**DISENGAGE**" position.
- While still pushing down the Clutch/Brake Pedal, move Gear Shift Lever to "**NEUTRAL**" position.
- Place Parking Brake in the "**BRAKE**" position and remove foot from Clutch/Brake Pedal. Pedal should remain in the "**BRAKE**" position.
- Move Throttle Control to "**SLOW**" position.
- Turn Key Switch to "**OFF**" position.

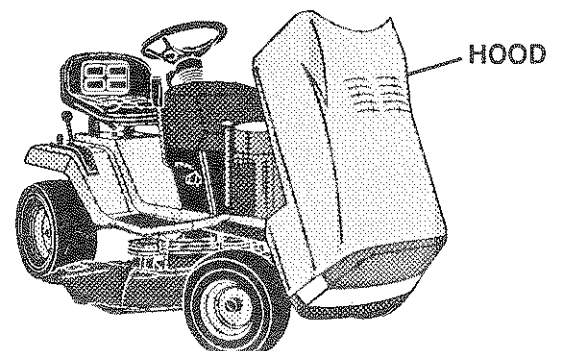
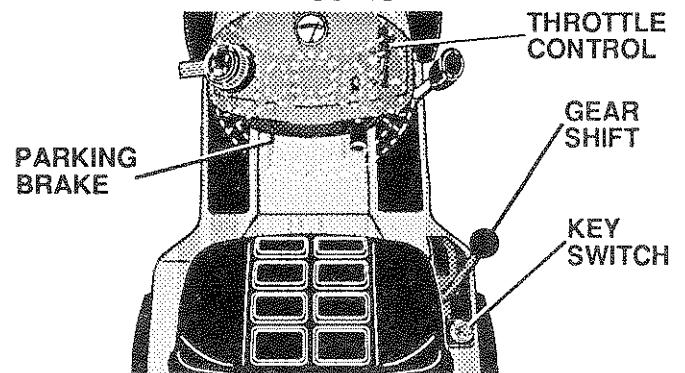
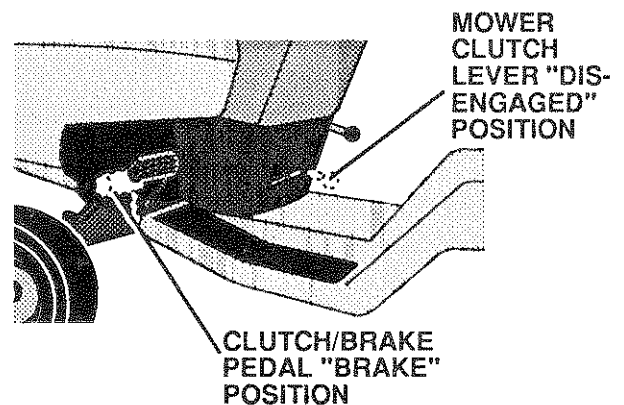
BEFORE STARTING ENGINE

FILL / ADD OIL

IMPORTANT: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHECKING OR ADDING OIL OR FUEL.

NOTE: This engine has been shipped filled with summer weight oil (SAE 30).

- Park tractor on level ground.
- Raise Hood.



OPERATION

CHECK ENGINE OIL LEVEL

- Remove and wipe Dipstick clean.
- Replace Dipstick for a few seconds.
- Remove and read oil level.
- Add oil if necessary. Capacity 3 pt (1.4 L).
- Replace Dipstick and tighten securely.

NOTE: After the first 2 hours of use, change engine oil. Thereafter, change oil every 50 hours.

- Select oil based on the temperature range expected before next oil change (see chart). All oils must meet A.P.I. service classification SD, SE, or SF.

IMPORTANT: TO AVOID DAMAGE TO THE STARTING SYSTEM, USE SAE 5W-30 OIL WHEN THE TEMPERATURE FALLS BELOW 32° F (0°C).

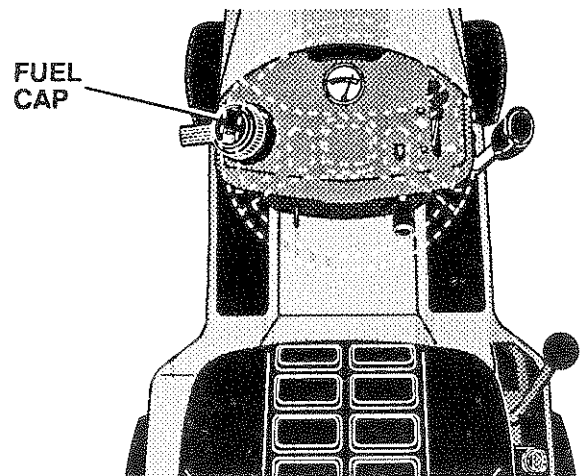
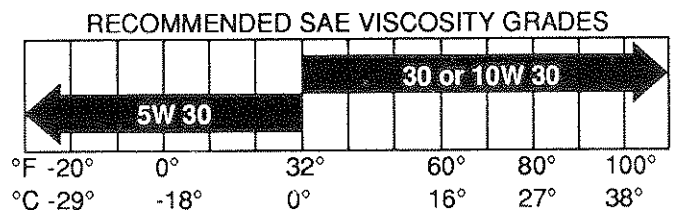
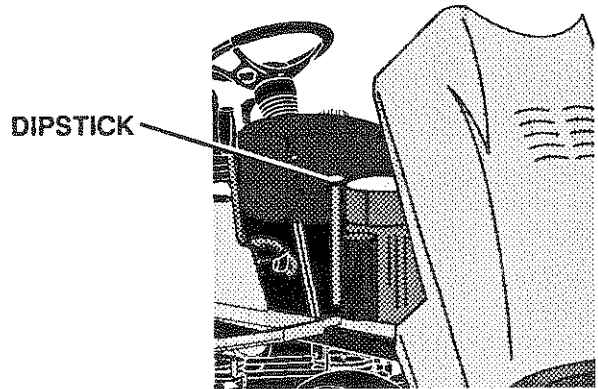
GAS



WARNING: 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.

- Fill fuel tank using fresh, clean regular unleaded automotive gasoline. Capacity 1.4 gals (5.3 L).

CAUTION: 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 LINE AND CARBU-



RETOR ARE EMPTY. USE FRESH FUEL NEXT SEASON.

NEVER USE ENGINE OR CARBURETOR CLEANER PRODUCTS IN THE FUEL TANK OR PERMANENT DAMAGE MAY OCCUR.

OPERATION

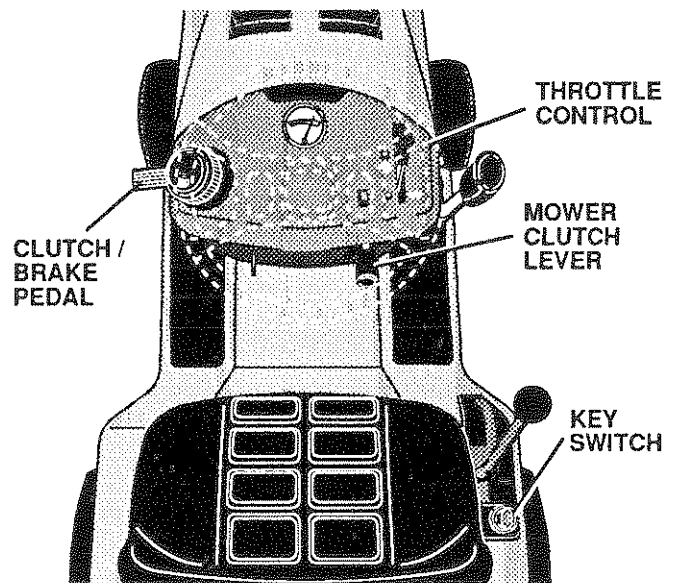


THIS TRACTOR IS EQUIPPED WITH INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE MOWER CLUTCH LEVER IS IN THE "ENGAGED" POSITION AND/OR THE CLUTCH/BRAKE PEDAL IS IN THE "CLUTCH" POSITION. IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

STARTING THE ENGINE

- Press Clutch/Brake Pedal fully with left foot.
- Disengage Mower and place tractor in neutral.
- Move Throttle Control Lever to "CHOKE" position.
- Turn Ignition Key to "START".
- Release Key as soon as engine starts.
- Move Throttle Control out of "CHOKE" position.

CAUTION: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE.



STARTING TRACTOR WITH A LOW BATTERY

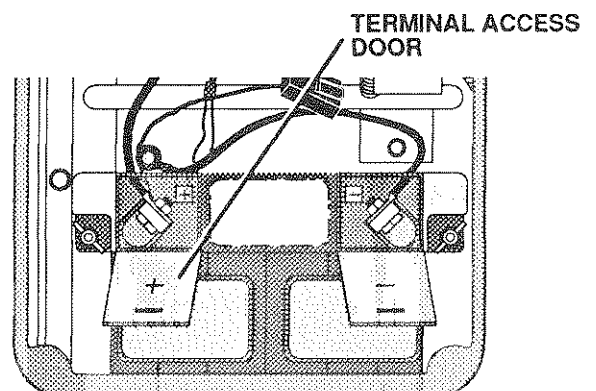
NOTE: Your tractor is equipped with a 12 volt negative grounded system. The other vehicle must also be a 12 volt negative grounded system.



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

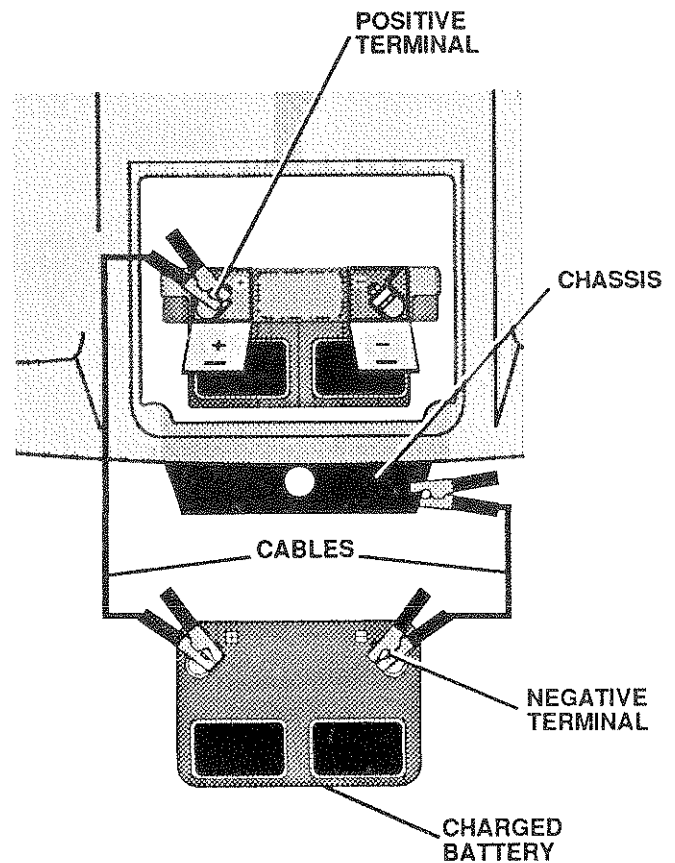
NOTE: Battery may require occasional charging if the engine is not operated at full throttle.

- Open Terminal Access Doors to expose terminal connections.



OPERATION

- Connect each end of the **RED** cable to the Positive (+) terminals 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 cable to good **CHASSIS GROUND** on tractor, unpainted bolt, etc. (away from gas tank or battery).
- Disconnect cables in reverse order:
 - a. Chassis of tractor.
 - b. Negative terminal of fully Charged Battery.
 - c. Positive terminals.
- Close Terminal Access Doors.



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

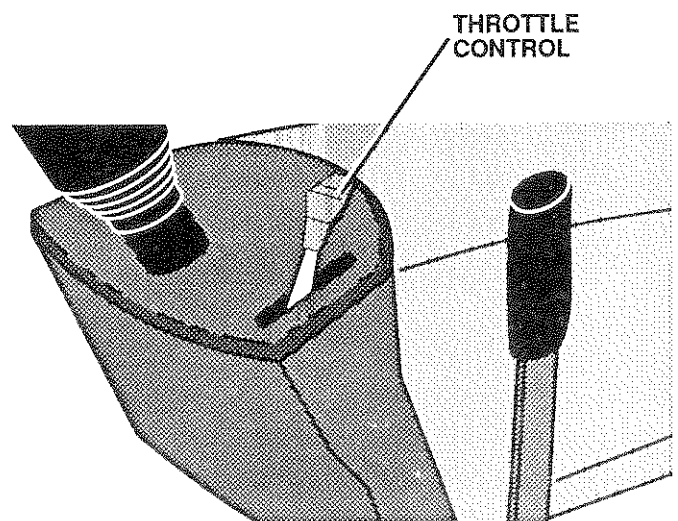
CUTTING YOUR GRASS



WARNING: MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.

NEVER PLACE YOUR HANDS OR FEET IN OR UNDER ANY POWERED ATTACHMENT OR NEAR ANY MOVING PART WHILE TRACTOR OR ANY POWERED ATTACHMENT IS RUNNING.

DO NOT OPERATE THE MOWER WITHOUT EITHER THE ENTIRE GRASSCATCHER, ON MOWERS SO EQUIPPED, OR DEFLECTOR SHIELD IN PLACE.



- Start engine.
- Move the Throttle Control half way between "SLOW" and "FAST".

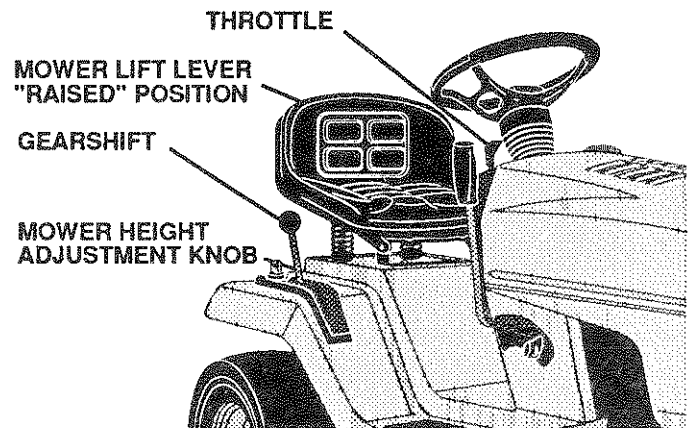
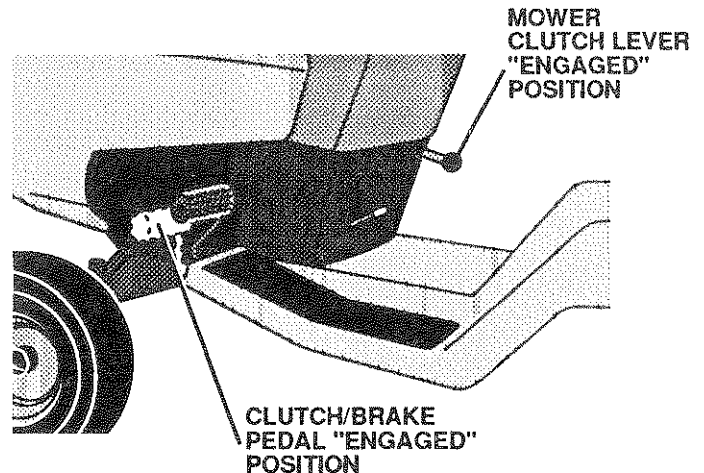
OPERATION

- Depress Clutch/Brake Pedal.
- Select a low gear (first or second) until you become more familiar with the operation of this unit.
- Slowly release Clutch/Brake Pedal and proceed to the mowing area.
- Stop the unit by depressing the Clutch/Brake Pedal.
- Slowly move the mower Clutch Lever to the "Engaged" Position.
- Slowly release Clutch/Brake Pedal.

NOTE: Always operate engine at full engine RPM when cutting grass to assure better performance and discharge of material.

- Move throttle to the fast position.
- Observe height of cut and readjust as needed, with Mower Height Adjustment Knob.

CAUTION: BEFORE YOU MOVE THE GEARSHIFT LEVER, COME TO A COMPLETE STOP. FAILURE TO DO SO CAN RESULT IN GEARBOX DAMAGE.

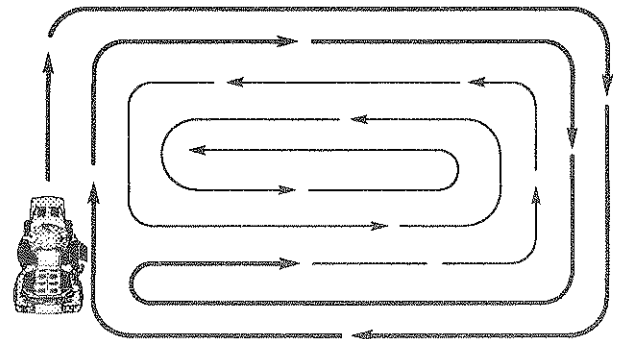


MOWING TIPS

- Be sure your mower is adjusted properly (front-to-rear and side-to-side; see adjustment section).
- Drive tractor so that the grass is discharged onto side that has already been cut.
- Only cut grass that is dry.

NOTE: Wet grass may plug mower and leave a trail of grass clumps.

- Mow grass often. Short grass clippings will decay fast.
- Keep blades sharp. Sharp blades will cut better.
- Slow down when making turns. Quick tight turns will scalp the grass.
- Cutting tall grass may require several passes.

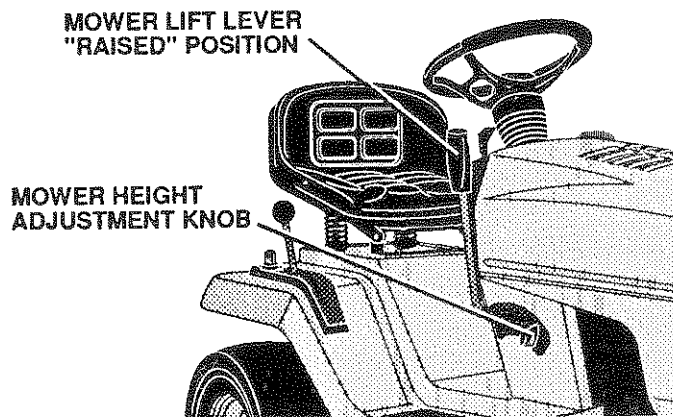


MOWING PATTERN

OPERATION

- Place Mower Lift Lever in the "Raised" Position.
- Make first pass over tall grass.
- Lower Mower Deck to desired height.
- Make final pass in opposite direction.
- Change mowing patterns often.

CAUTION: DO NOT MOW TALL DRY (BROWN) GRASS. THIS COULD PRESENT A FIRE HAZARD.



OPERATING YOUR TRACTOR ON A HILL

- Move Gearshift Lever to "1st" before starting up or down hill.

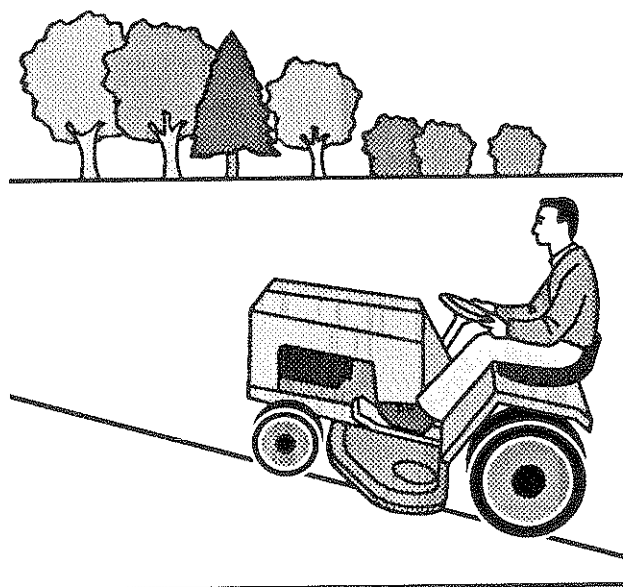


WARNING: NEVER DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15 DEGREES AND DO NOT DRIVE ACROSS ANY SLOPE. SEE SLOPE SHEET.

- Avoid stopping or shifting 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.

To restart tractor movement.

- Place Gearshift in first gear.
- Slowly release Clutch/Brake Pedal.
- Make all turns gradually.

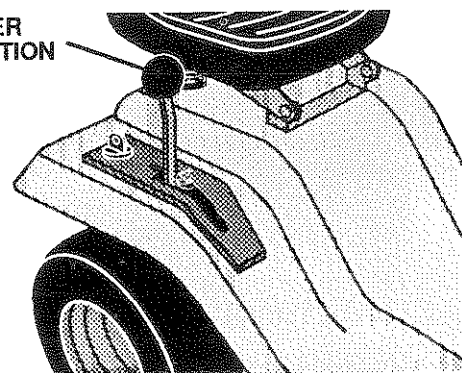


TRANSPORTING YOUR TRACTOR

When pushing your tractor:

- Place Gearshift Lever in "N" Neutral Position.
- Never push faster than 6 MPH.
- Towing is **not** recommended.

GEARSHIFT LEVER
"NEUTRAL" POSITION



SERVICE RECOMMENDATIONS

NOTE: Periodic maintenance should be performed on a regular basis in order to keep your tractor running in good condition.



WARNING: DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE ATTEMPTING ANY REPAIR, INSPECTION, OR MAINTENANCE.

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

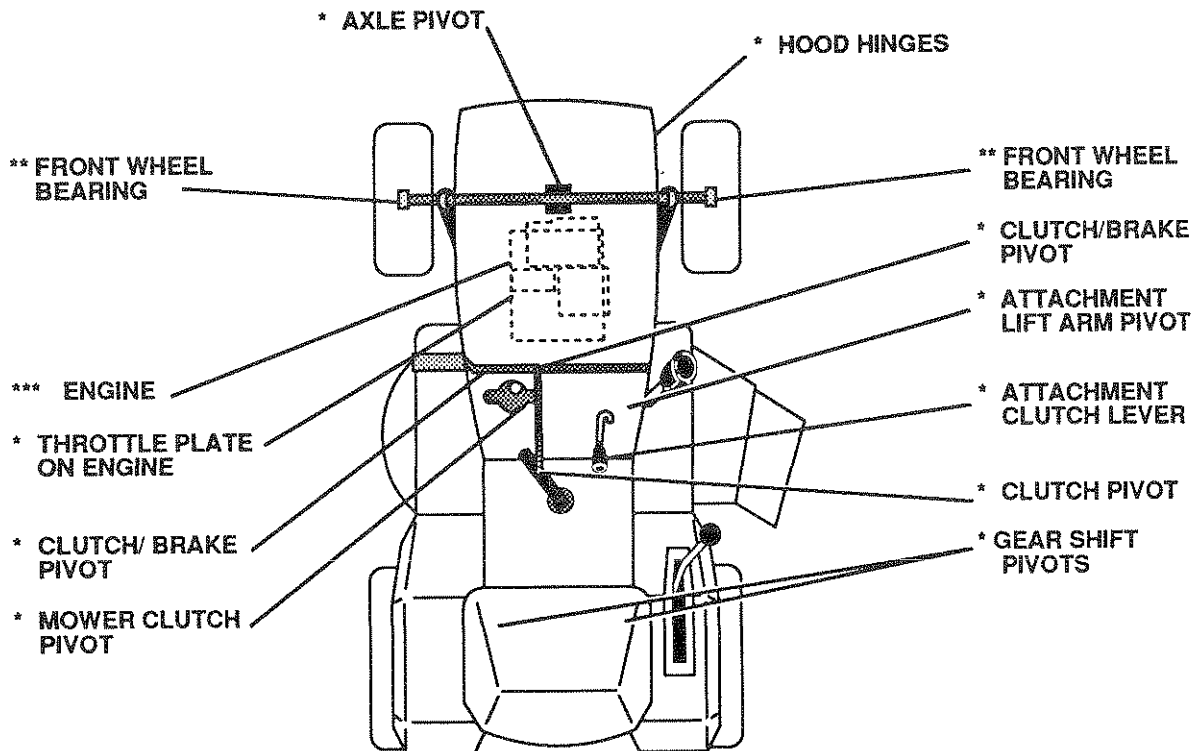
BEFORE EACH USE:

- Check oil.
- Check to see all bolts, nuts, and cotter pins are in place and secure.
- Keep tractor well lubricated. (See chart pg. 22)
- Check battery. Acid level should be even with bottom of tubes in each cell.
- Keep battery terminals clean.
- Keep battery bolts tight.
- Keep vent caps tight and small holes in vent caps open.
- Recharge slowly at 6 amperes if needed.
- Clean air screen.
- Keep tractor free of dirt and chaff to prevent engine damage or overheating.
- Check brake operation.

SERVICE RECORD	<div style="display: flex; justify-content: space-around; font-size: small;"> FIRST 2 HOURS EVERY 8 HOURS EVERY 25 HOURS EVERY 50 HOURS EVERY 100 HOURS EVERY 200 HOURS </div>						SERVICE DATES					
FILL IN DATES AS YOU COMPLETE REGULAR SERVICE												
Change Engine Oil	✓			✓								
Check Brake Operation			✓									
Check Tire Pressure		✓										
Sharpen Mower Blades			✓									
Clean Air Screen		✓										
Clean Air Cleaner		✓										
Lubricate Pivot Points			✓									
Check Battery Level and Recharge				✓								
Clean Battery and Terminals			✓									
Carburetor Adjustment				✓								
Clean Engine Cooling Fins				✓								
Check Muffler				✓								
Replace Air Cleaner Paper Cartridge					✓							
Replace Spark Plug					✓							
Replace Fuel Filter						✓						

MAINTENANCE

LUBRICATION CHART



- * SAE 30 MOTOR OIL
- ** GENERAL PURPOSE GREASE
- *** REFER TO ENGINE OIL VISCOSITY CHART (PG.16)

AFTER FIRST 2 HOURS

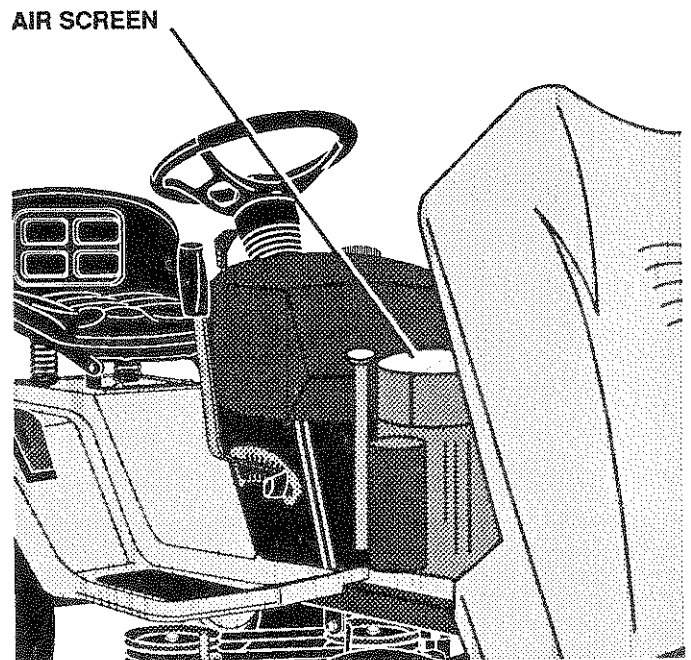
CHANGE ENGINE OIL

Changing oil after the first 2 hours will help eliminate break-in residue which might be damaging to your engine. See instructions page 24.

EVERY 8 HOURS

CLEAN AIR SCREEN

- Clean grass, chaff, and dirt from the Air Screen in order to maintain proper cooling of engine.

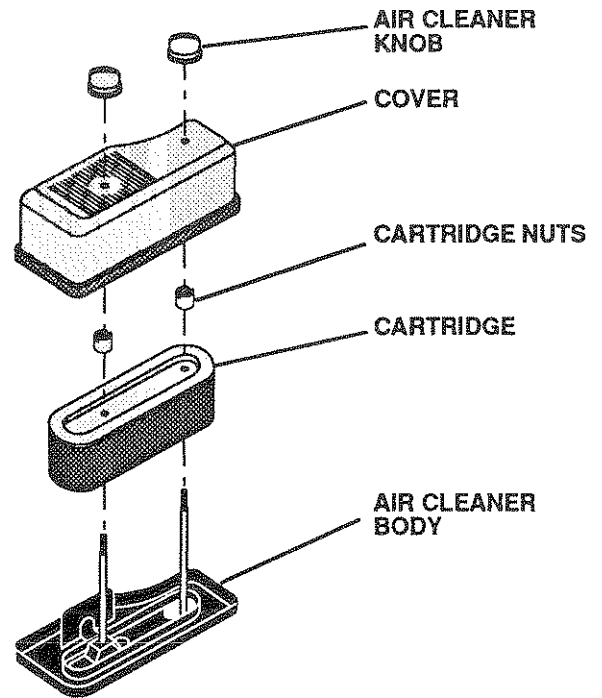


MAINTENANCE

CLEAN AIR CLEANER CARTRIDGE

- Remove Air Cleaner Knobs and Cover.
- Remove Cartridge Nuts from top of Cartridge.
- Remove Cartridge and clean Air Cleaner Body carefully to prevent dirt from entering carburetor.
- Clean Cartridge by tapping on a flat surface.
- Reassemble Air Cleaner.

CAUTION: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

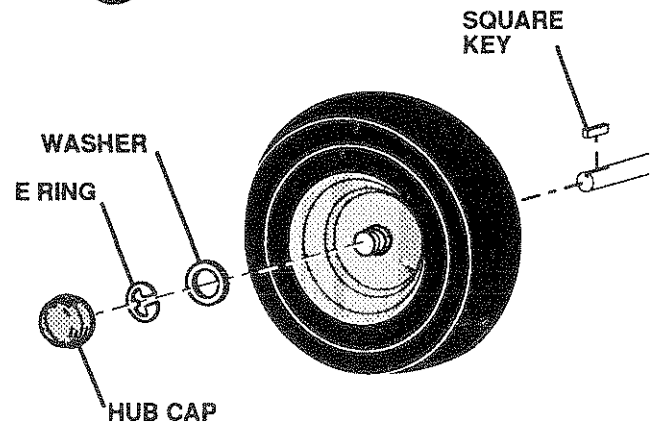


TIRE CARE

- Maintain tire pressure in front tires at 14 psi and rear tires at 12 psi.

If necessary to remove wheels:

- Block up axle securely.
- Remove Hub Cap, E Ring, and Washer (front tire).
- Remove Hub Cap, E Ring, Washer, and Square Key (rear tire).



EVERY 25 HOURS

PIVOT POINTS

- Lubricate Pivot Points according to Lubrication Chart on page 22.

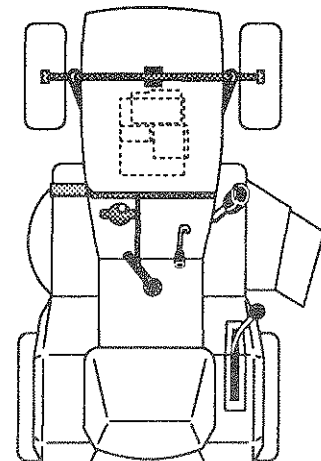
BRAKES



WARNING: IF TRACTOR TAKES MORE THAN FIVE FEET STOPPING DISTANCE IN HIGHEST GEAR, THEN BRAKE MUST BE ADJUSTED.

- See that your tractor stops within a distance of Five (5) feet when brake is applied. If not, see Adjust Brake in the Service and Adjustment section.

LUBRICATION CHART (SEE PG.22)



MAINTENANCE

CLEAN BATTERY TERMINALS

- Open Terminal Access Doors to expose Terminal Connections. Clean by brushing with wire brush.

EVERY 50 HOURS

COOLING FINS

- Clean Engine Cooling Fins. Brush all grass, chaff, and dirt out of engine compartment in order to allow air to circulate properly.

MUFFLER

- Inspect periodically and replace if necessary.
- If your tractor is equipped with a spark arrester screen assembly, remove for cleaning and inspection. Replace if necessary.

NOTE: A Spark Arrester Kit is available as an accessory part for your tractor. Check legal requirements in your area.

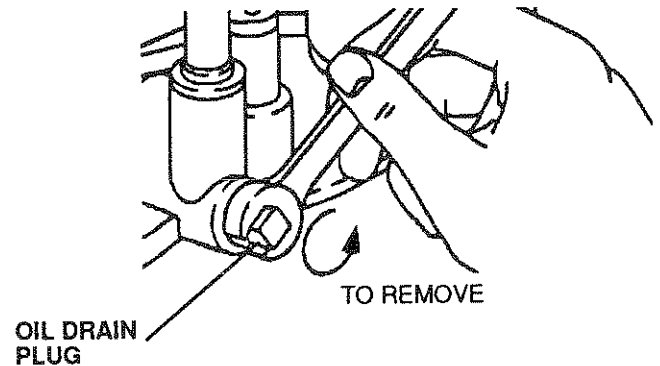
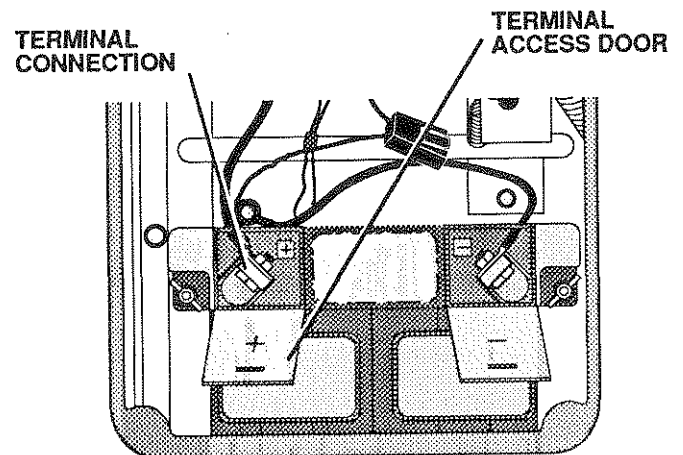
CHANGE ENGINE OIL.

- Remove Oil Drain Plug and drain oil while engine is warm.
- Replace Oil Drain Plug.
- Remove Dip Stick and refill with new oil of proper grade (see Chart page 16).
- Replace Dip Stick.

EVERY 100 HOURS

AIR CLEANER CARTRIDGE

- Replace Air Cleaner Cartridge as shown on page 23.



MAINTENANCE

SPARK PLUG

- Replace spark plug .
- Gap should be set at .030 inch.

EVERY 200 HOURS

FUEL FILTER

- Replace Fuel Filter.

THROTTLE CONTROL CABLE ADJUSTMENT

Never attempt to change maximum Engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment. **CAUTION: BEFORE ANY ENGINE ADJUSTMENT, MAKE SURE AIR CLEANER IS CLEAN.** Remove Air Cleaner Assembly while making adjustments.

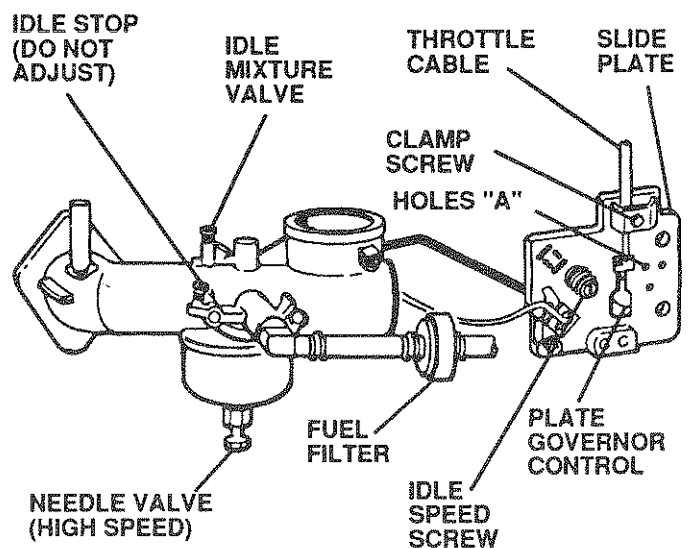
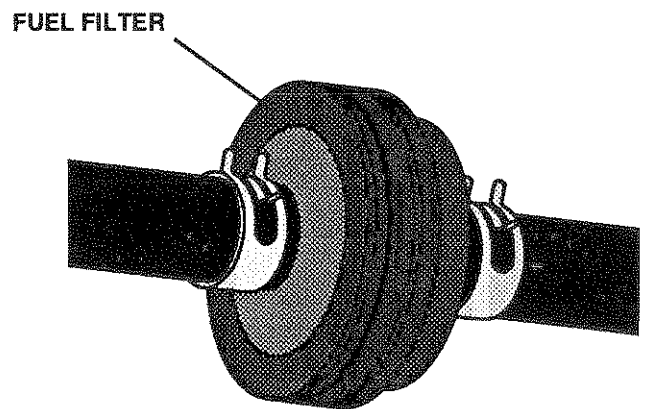
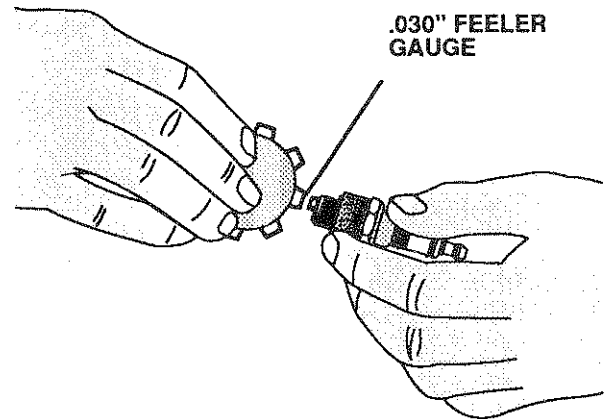
- With Engine off, place Throttle Control in "FAST" position.
- Loosen Clamp Screw. Adjust Throttle Cable until holes "A" are aligned in Governor Control Plate and Slide Plate.
- Tighten Clamp Screw.
- If holes do not align, repeat steps in Throttle Cable Adjustment.

CARBURETOR ADJUSTMENT

NOTE: Adjust Throttle Control Cable before making any adjustments to carburetor. Remove Air Cleaner Assembly while making adjustments.

- With Engine off turn High Speed Mixture Screw clockwise (↻) closing finger tight ONLY, and turn counterclockwise (↺) 1 1/2 turns.

NOTE: The Screw Seat may be damaged by turning it to far clockwise



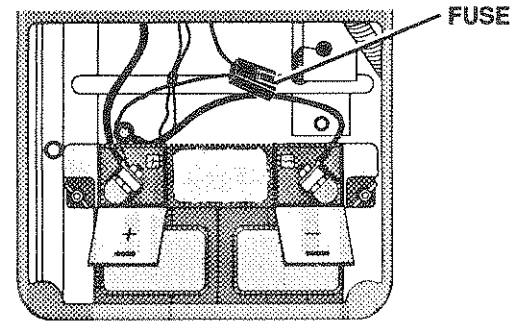
MAINTENANCE

- Turn Idle Mixture Screw clockwise (↻) closing finger tight only, and turn counterclockwise (↺) 1-1/2 turns.
- Start Engine and allow to warm for five minutes. Make final adjustment with Engine running and Gear Shift Lever in "NEUTRAL" position.
- With Throttle Control Lever in "FAST" position, turn High Speed Mixture Screw counterclockwise (↺) until Engine runs "rough" and then turn clockwise (↻) until Engine begins to miss. Turn screw to a point midway between these positions.
- With Throttle Control Lever in "SLOW" position, hold Throttle Lever so that Idle Stop Screw is against Carburetor, turn Idle Mixture Screw counterclockwise (↺) until Engine runs "rough" and then turn clockwise (↻) until Engine begins to die. Turn Idle Mixture Screw to a point midway between these positions.
- With Throttle Control Lever in "SLOW" position Engine should idle at 1750 RPM. If Engine idles too slow, push Throttle Control Lever above idle and turn Idle Speed Screw one turn clockwise (↻). Set Throttle Control Lever at "SLOW" . Repeat until satisfactory idle is attained.
- If Engine idles too fast with Throttle Control Lever in "SLOW" position push Throttle Control Lever above idle and turn Idle Speed Screw one turn counterclockwise (↺). Set Throttle Control Lever at "SLOW". Repeat until satisfactory idle is attained.

SERVICE AND ADJUSTMENT

FUSE REPLACEMENT

- Fuse is located under Seat.
- If Fuse replacement is necessary, replace with 30 amp automotive type plug-in fuse. Fuses can be purchased at all Sears Service Centers and most retail stores.

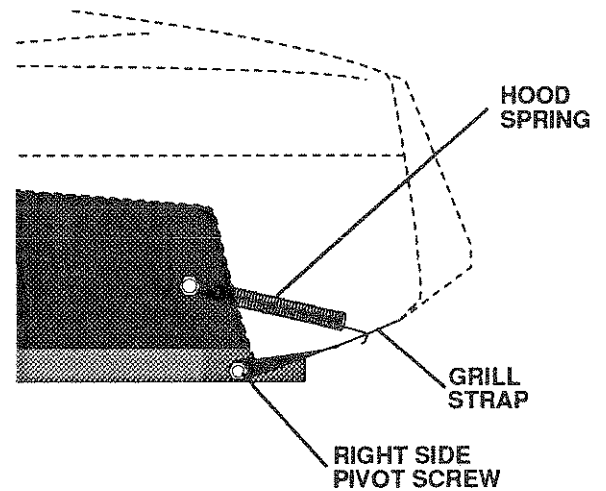


HOOD REMOVAL



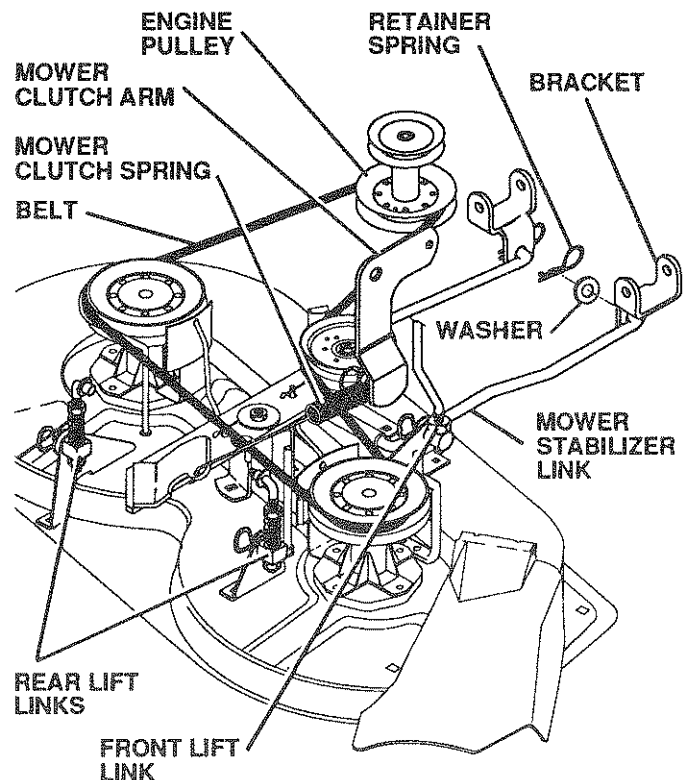
DO NOT TOUCH HOT MUFFLER, CYLINDER, OR FINS AS CONTACT MAY CAUSE BURNS.

- With Hood closed, remove Hood Spring from hole in Grill Strap.
- Remove Left Side and Right Side Pivot Screws.
- Lift Hood off tractor.
- To reassemble Hood, reverse above procedure.



MOWER DECK REMOVAL

- Park tractor on a level surface and engage parking brake.
- Remove key from ignition.
- Be sure that Mower Clutch Lever is in "Disengaged" position.
- Lower Mower Deck to lowest cutting position.
- Remove Retainer Spring and Washer that holds Mower Clutch Spring to the Mower Clutch Arm.
- Disconnect Mower Clutch Spring from Mower Clutch Arm..
- Remove Retainer Springs and Washers from Mower Stabilizer Link.
- Remove Retainer Springs and Washers from Rear Lift Links.
- Remove Retainer Spring and Washer from Front Lift Link.
- Withdraw Front Lift Links, Rear Lift Links, and Mower Stabilizer Link from brackets.



SERVICE AND ADJUSTMENT

- Remove Belt from Engine Pulley.
- Raise Mower Lift Handle to transport position.
- Turn Front Tires to left
- Slide Mower Deck out on right side of tractor.
- To reassemble, reverse above procedure.

BLADE REPLACEMENT



REMOVE SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING OF ENGINE.

- Raise Mower Deck to highest position.
- Remove Hex Bolt, Lockwasher, and Washer. Turn counterclockwise.
- Remove and discard old Blade.
- Clean top and bottom of Mower Housing.
- Place new Blade (sharp edge down) between flanges and secure with Washer, Lockwasher, and Hex Bolt previously removed. **TIGHTEN SECURELY.** Torque to 30 - 35 ft. lbs.



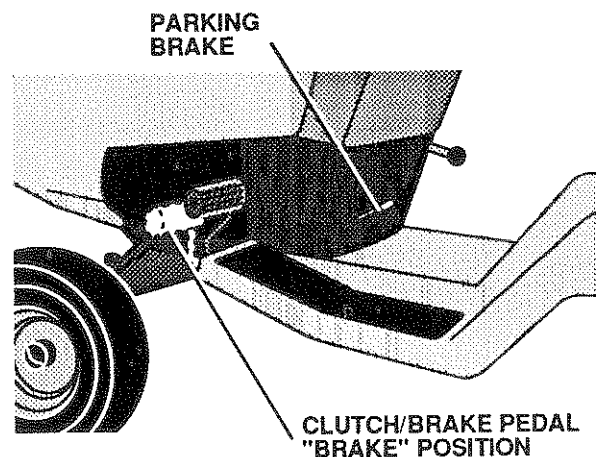
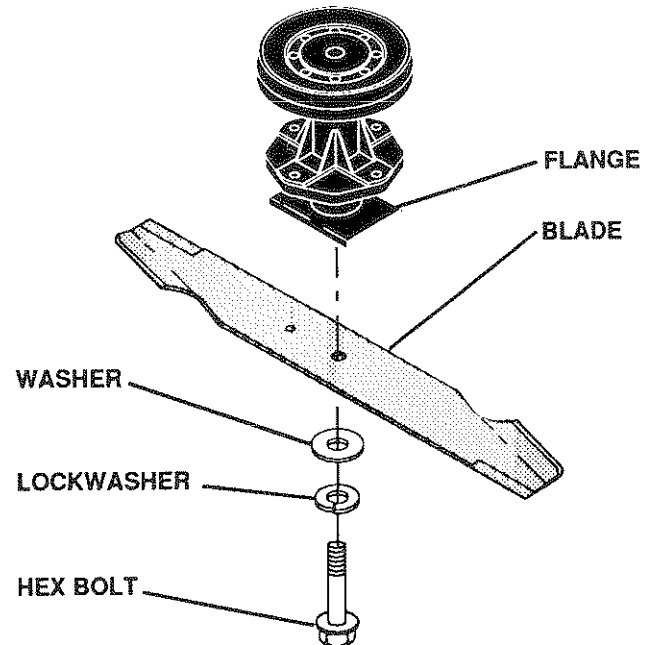
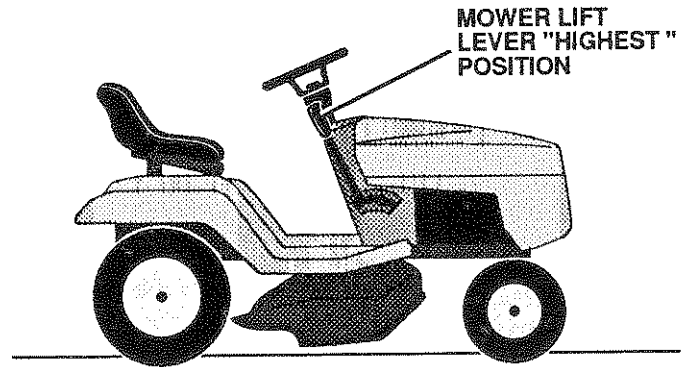
ALWAYS USE GRADE 5 HEAT TREATED BOLTS TO ATTACH BLADES. CHECK BOLTS AND BLADES OCCASIONALLY TO MAKE SURE BOLTS ARE TIGHT. TORQUE BOLTS TO 30 - 35 FT. LBS.



A GRADE 5 HEAT TREATED BOLT CAN BE IDENTIFIED BY 3 LINES ON THE BOLT HEAD AS SHOWN ON LEFT.

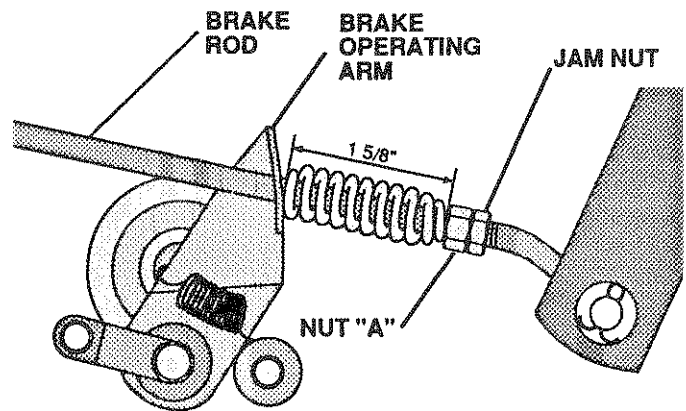
ADJUST BRAKE

- Depress Clutch/Brake Pedal and engage Parking Brake.



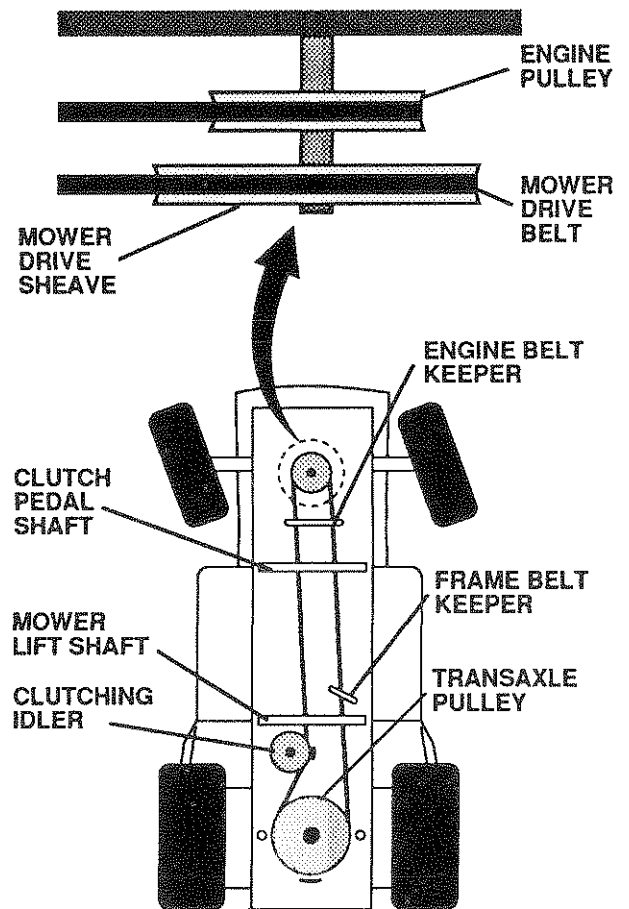
SERVICE AND ADJUSTMENT

- Measure distance between Brake Operating Arm and Nut "A" on Brake Rod.
- If distance is other than 1 5/8", disengage Parking Brake and loosen Jam Nut and turn Nut "A" until distance becomes 1 5/8". Retighten Jam Nut against Nut "A".
- Engage Parking Brake and recheck distance.
- Road test tractor to check if proper stopping distance was achieved.



REPLACE TRACTOR MOTION DRIVE BELT

- Engage Parking Brake.
- Lower Mower Lift Lever to "Lowest" position.
- Turn Front Wheels fully to left or right.
- Disconnect Mower Drive Belt at Engine Pulley.
- Disconnect Motion Drive Belt at Clutching Idler.
- Disconnect Motion Drive Belt at Transaxle. Push above Transaxle Pulley.
- Disconnect Motion Drive Belt at Frame Belt Keeper.
- Disconnect Motion Drive Belt at Engine Pulley. Thread belt below Mower Drive Sheave and through Engine Belt Keeper and Engine Pulley.
- Remove belt.
- Install new belt by reversing above procedure.



VIEWED FROM BOTTOM OF TRACTOR

SERVICE AND ADJUSTMENT



WARNING: BEFORE ATTEMPTING ANY REPAIR, INSPECTION, OR MAINTENANCE OF THE MOWER OR BLADES: PLACE TRANSMISSION IN NEUTRAL. SET PARKING BRAKE. REMOVE IGNITION KEY. DISCONNECT SPARK PLUG WIRE. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY OR DEATH.

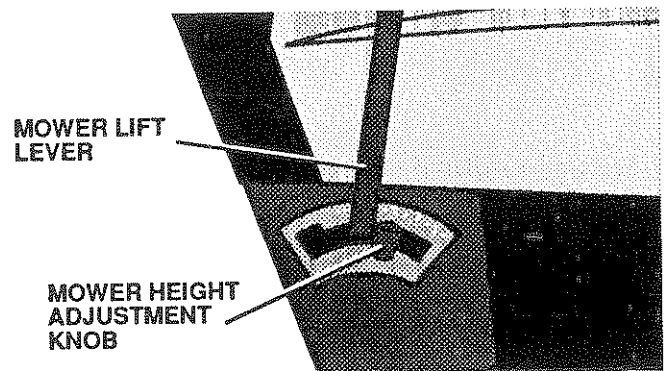
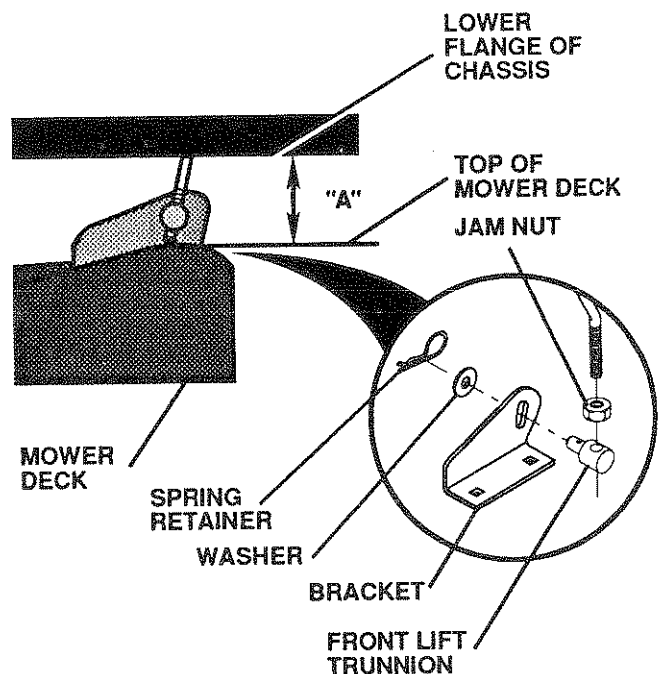
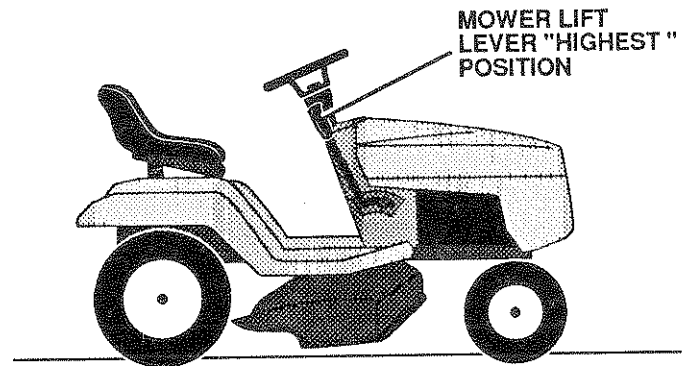
MOWER UPSTOP ADJUSTMENT

NOTE: Before adjusting Mower, Tires must be properly inflated.

- Inflate Front Tires to 14 psi
- Inflate Rear Tires to 12 psi
- Park tractor on a smooth, level surface.
- Raise Mower Lift Lever into highest (transport) position.
- Measure distance from top of Mower Deck to Lower Flange of Chassis (dim. "A").
- Dim. "A" should be 3 5/8 to 3 7/8 inches.
- To adjust dim. "A", if required, lower mower to lowest position. Remove Washer and Hairpin Clip in Trunnion, then withdraw Trunnion Pin from bracket. Loosen Jam Nut. Rotate Trunnion clockwise (↻) on lift link to increase dim. "A" or counter-clockwise (↺) on Lift Link to decrease dim. "A".

NOTE: Each full turn of trunnion will change Dim. "A" by 1/16 inch. Re-insert trunnion into bracket with pin pointing to L.H. side of tractor. Re-install Washer and Spring Retainer. Retighten Jam Nut.

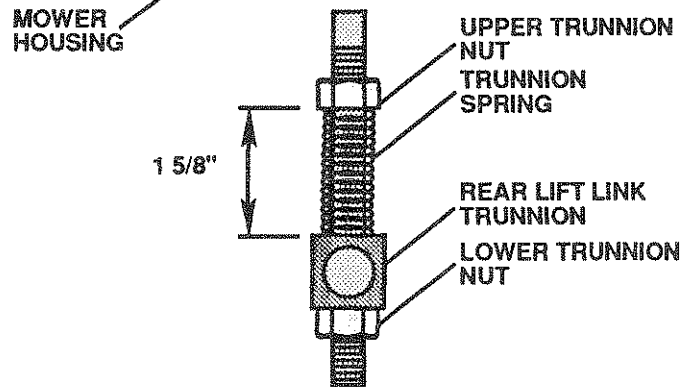
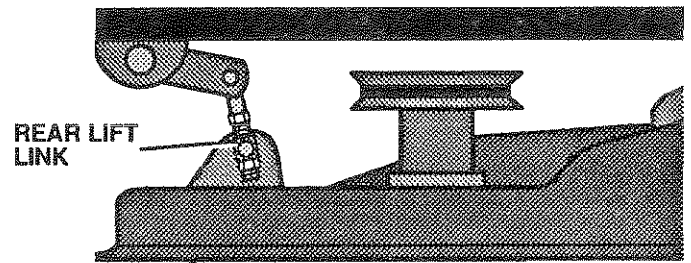
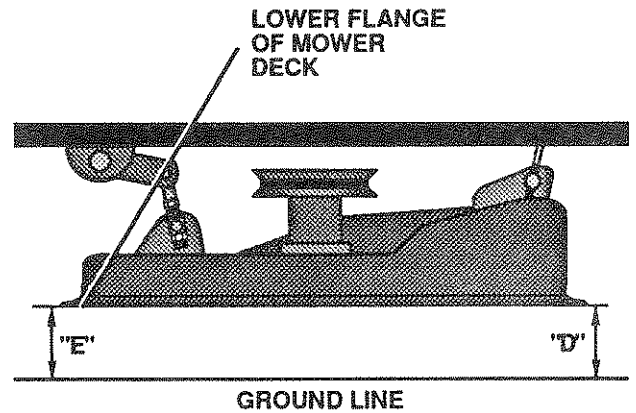
- Place Mower Height Adjustment Knob in position "3".
- Lower Mower Lift Lever to Height Adjustment Knob.



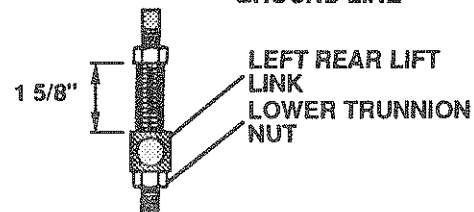
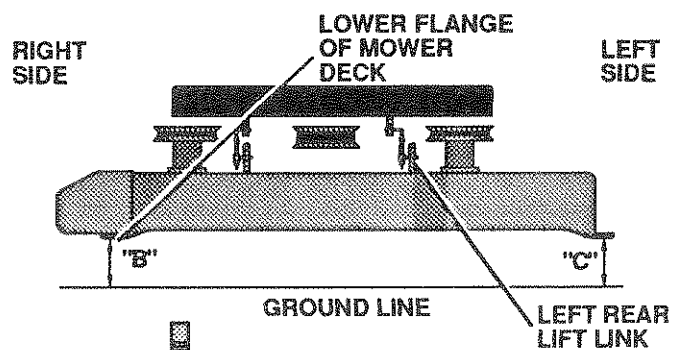
SERVICE AND ADJUSTMENT

LEVEL MOWER FRONT TO REAR

- For best cutting results, the rear of the Mower should be 1/4 to 3/8 inch higher than the front of the Mower.
- Measure distance from ground line to Lower Flange of Deck at right front and right rear (dim. "D" & "E") in line with Front and Rear Lift Links.
- Raise or lower rear of Mower Housing by adjusting the right Rear Lift Link.
- To raise rear of Mower Housing, tighten Lower Trunnion Nut.
- To lower rear of Mower Housing, loosen the Lower Trunnion Nut.
- When Mower is adjusted, turn Upper Rear Trunnion Nut to compress Trunnion Spring to a height of 1 5/8 inches.



VIEWED FROM FRONT OF TRACTOR



LEVEL MOWER SIDE TO SIDE

- Measure distance from ground to Lower Flange of Mower Deck on both sides of Mower (dim. "B" & dim. "C"). Dim. "B" & "C" should be the same.
- Level the Mower side-to-side by adjusting the Left Rear Lift Link. To raise left side of Mower, tighten the Lower Trunnion Nut.
- When Mower is adjusted, turn Upper Rear Trunnion Nut to compress Trunnion Spring to a height of 1 5/8 inches.

NOTE: One rotation of lower trunnion nut is equivalent to approximately 1/8 inch of height change.

STORAGE

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



CAUTION: NEVER STORE THE TRACTOR WITH GASOLINE IN THE TANK INSIDE A BUILDING WHERE FUMES OR MAY REACH AN OPEN FLAME OR SPARK. ALLOW THE ENGINE TO COOL BEFORE STORING IN ANY ENCLOSURE.

TRACTOR

Remove mower from tractor for winter storage. When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Give blades and underside of housing a good coat of grease or rust preventative. Store in a clean, dry area.

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

BATTERY

- Prior to storage, clean terminals and top of battery.
- 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 "CLEAN BATTERY TERMINALS" in maintenance section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- Be sure battery drain tube is securely attached to drain in battery tray.

ENGINE

FUEL SYSTEM

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE. TO AVOID ENGINE PROBLEMS, THE FUEL SYSTEM SHOULD BE EMPTIED BEFORE STORAGE OF 30 DAYS OR LONGER.

- 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.

ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "CHANGE ENGINE OIL" in maintenance section of this manual).

CYLINDERS

- Remove spark plug(s).
- Pour one ounce of oil through spark plug holes into cylinders.
- 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 can cause problems.
- If possible, store your tractor indoors and cover it to give protection from dust and dirt.
- Cover the tractor with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and cause your tractor to rust.

IMPORTANT: Never cover tractor while engine and exhaust areas are still warm.

TROUBLE SHOOTING

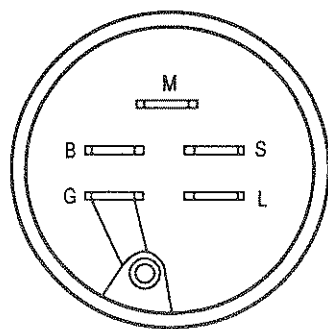
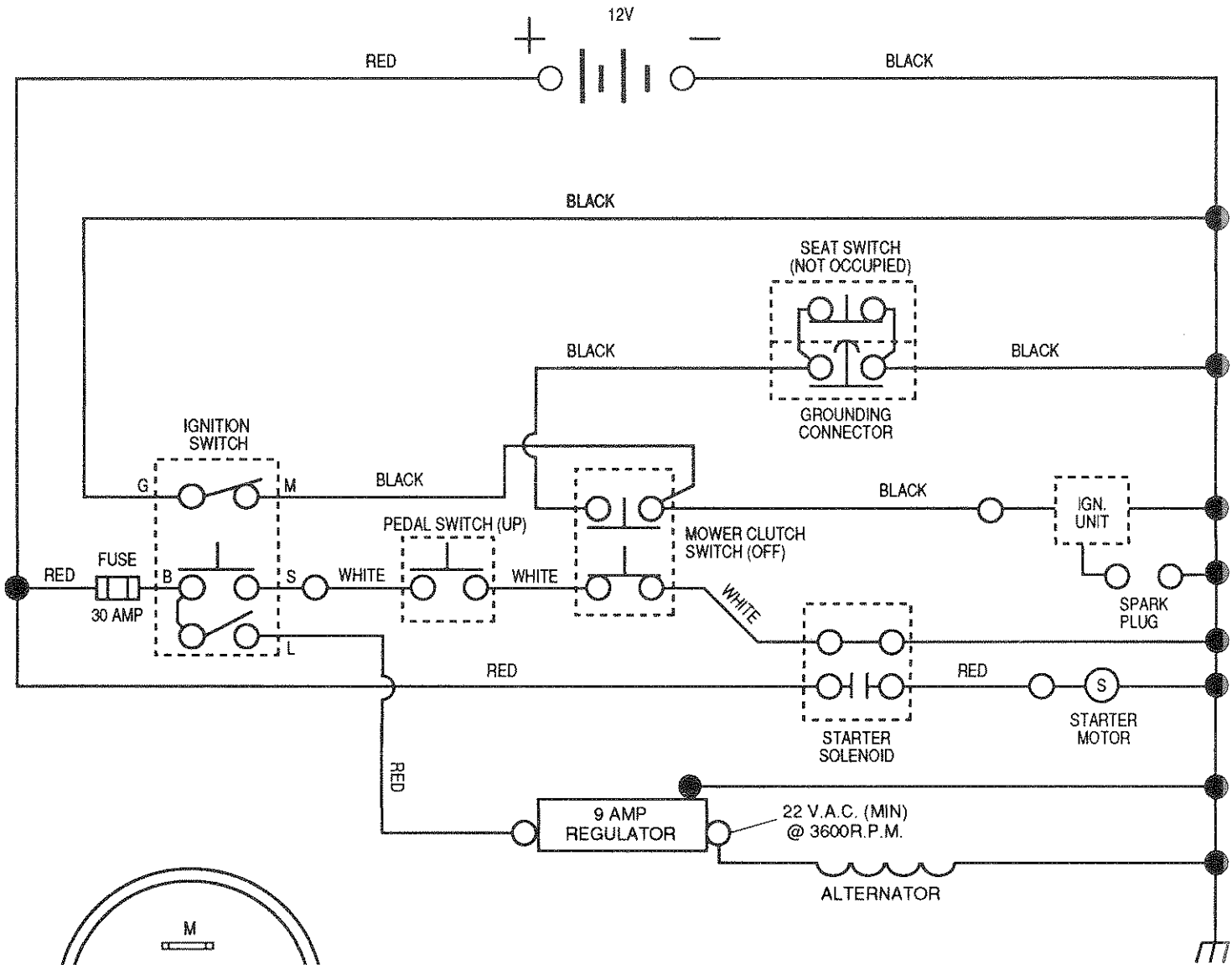
PROBLEM ➤ Cause/Remedy

WILL NOT START	<ul style="list-style-type: none">➤ Fill Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary). Replace Fuel Filter. Use Fresh Fuel➤ Recharge or replace Battery➤ Check Wiring➤ Replace Spark Plug(s) and adjust gap
WILL NOT TURN OVER	<ul style="list-style-type: none">➤ Push Clutch/Brake Pedal into brake position➤ Charge or replace Battery➤ Move Mower Clutch Lever to "DISENGAGED" position➤ Replace Ignition Switch➤ Replace Interlock Switch(es)➤ Replace Solenoid or Starter➤ Check for fault and replace Fuse➤ Check all Wire Connections and "Ground" Points
ENGINE CLICKS BUT WON'T START	<ul style="list-style-type: none">➤ Clean Battery Terminals➤ Replace Starter or Solenoid➤ Charge or Replace Battery➤ Check Wire Connections and "Ground" Points
HARD TO START	<ul style="list-style-type: none">➤ Place Throttle Control in "FAST" position and run starter several times to clear out gas➤ Remove Air Filter and clean➤ Replace Spark Plug(s) and adjust gap➤ Recharge or replace Battery➤ Check the Wiring➤ Drain Fuel Tank and Carburetor. Use Fresh Fuel. Replace Fuel Filter➤ Make necessary adjustments to Carburetor➤ Major Engine Overhaul
ENGINE MISSES OR LACKS POWER	<ul style="list-style-type: none">➤ Shift to a lower gear or reduce load➤ Drain Gas Tank and Carburetor. Use Fresh Fuel➤ Remove and clean Air Cleaner➤ Make necessary Carburetor adjustments➤ Clean Air Screen➤ Add or change oil➤ Replace Spark Plug(s) and adjust gap➤ Replace Fuel Filter➤ Major Engine Overhaul
ENGINE OVERHEATS	<ul style="list-style-type: none">➤ Shift to lower gear or reduce load➤ Clean Air Screen➤ Add or change oil➤ Clean Engine Cooling Fins➤ Remove and clean Muffler or replace➤ Remove and clean Air Filter➤ Use fresh fuel and adjust Carburetor➤ Drain and replace oil for proper temperature

TROUBLE SHOOTING

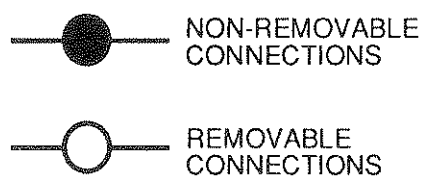
WON'T CHARGE	☛	Check Fuse for fault and replace
	☛	Replace Battery
	☛	Replace Alternator
ENGINE WILL NOT SHUT DOWN WHEN OPERATOR LEAVES SEAT WITH MOWER CLUTCH ENGAGED	☛	NOTE: This tractor is equipped with an operator presence sensing system. Any attempt by the operator to leave the seat with the engine running and the mower clutch engaged will shut down the engine.
	☛	Check all Wire connections
	☛	Check Seat Switch
UNSATISFACTORY MOWER PERFORMANCE UNEVEN DISTRIBUTION OF CLIPPINGS	☛	Place Throttle Control in "FAST" position
	☛	Check air pressure in Tires
	☛	Check front-to-rear and side-to-side Mower adjustment
	☛	Use a slower ground speed
	☛	Replace Mower Blades
	☛	Reinstall Mower Blades with top of Blade up
	☛	Clean underside of Mower Deck
MOWER BLADES WILL NOT ROTATE	☛	Correct Clutch mechanism interference
	☛	Install new Mower Drive Belt
	☛	Replace frozen Mandrel
	☛	Replace frozen Idler Pulley
EXCESSIVE MOWER VIBRATION	☛	Replace bent or unbalanced Blades
	☛	Replace Mandrel. Replace Deck
WIND ROWING STRIPPING OR DROPPING OF GRASS CLIPPINGS	☛	Set Throttle for maximum engine speed
	☛	Let grass dry out
	☛	Clean underside of Mower Deck
	☛	Readjust Mower front-to-rear and side-to-side
	☛	Replace Blades
UNEVEN CUT OR SCALPING	☛	Readjust Mower front-to-rear and side-to-side
	☛	Replace Blades
	☛	Replace bent Mandrel(s)

SCHEMATIC



IGNITION SWITCH

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



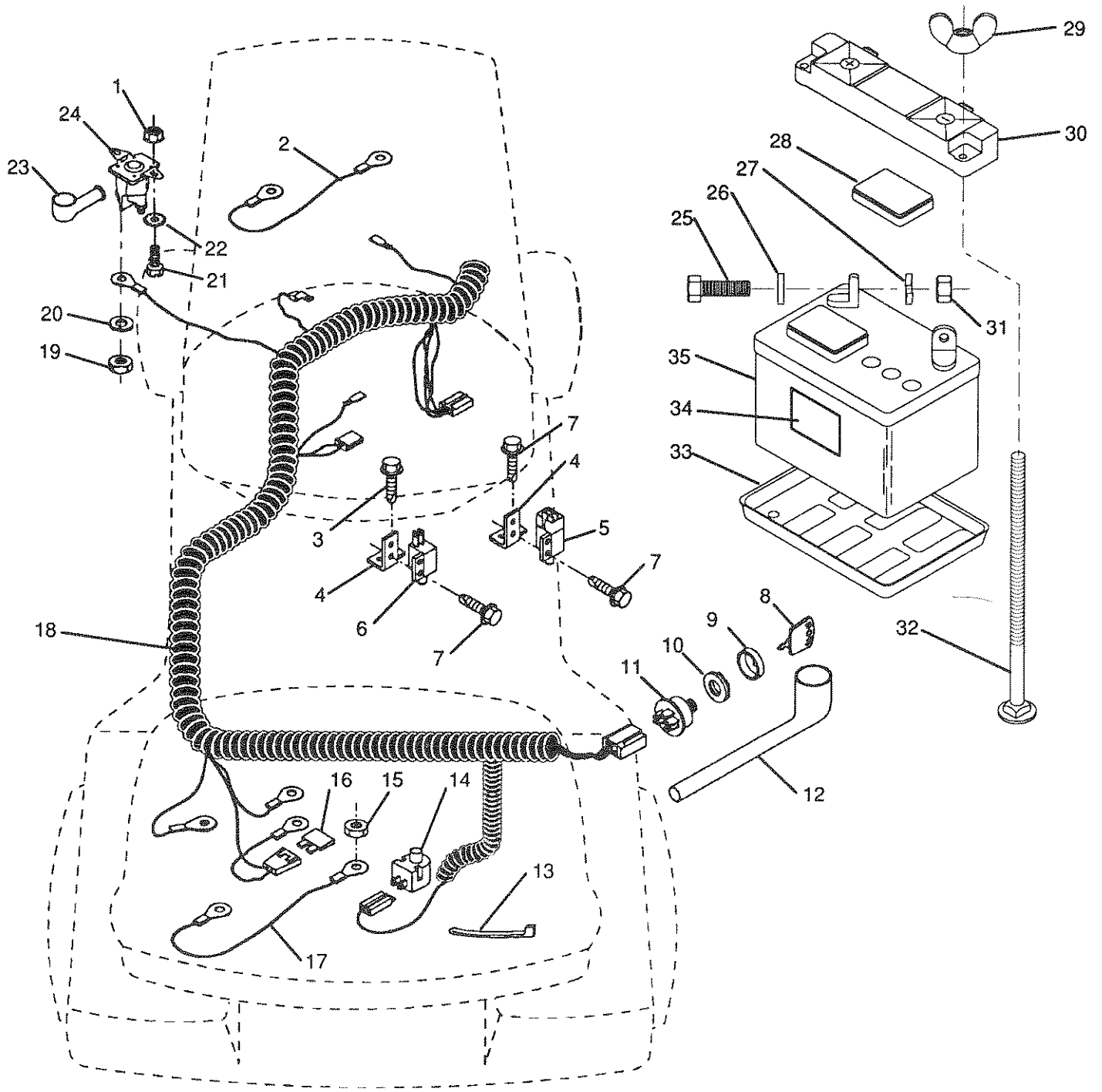
WIRING INSULATED CLIPS

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

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

ELECTRICAL



REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	STD541425	* Nut Hex Keps 1/4–20	21	STD512505	* Bolt Fin. Hex 1/4–20 UNC x 1/2
2	105002X	Assembly, Cable	22	STD551225	* Washer, Lock Ext. Tooth 1/4
3	STD611005	* Screw, Hex Wsh. Tap #10–16 x 1/2	23	719J	Cover, Terminal
4	108236X	Bracket, Switch	24	109081X	Solenoid
5	109553X	Switch, Interlock	25	STD522507	* Bolt, Hex Hed. 1/4–20 UNC x 3/4
6	104445X	Switch, Interlock	26	STD551025	* Washer 9/32 x 5/8 x 16 Ga.
7	STD601005	* Screw, Tap Hex Hd. #10–24 x 1/2	27	STD551125	* Washer, Lock Hvy. Helical Spring 1/4
8	109310X	Key, Molded	28	121264X	Cap, Battery
9	123620X	Cover, Key Ignition	29	123198X	Nut, Plastic, Locking Nut 1/4–20
10	124211X	Nut, Ignition	30	102476X	Guard, Terminal
11	STD365402	* Switch, Interlock	31	STD541025	* Nut, Fin. Hex 1/4–20 UNC
12	124083X	Cover, Ignition Switch	32	STD532575	* Bolt, Carriage 1/4–20 UNC x 7 1/2
13	7192J	Tie, Cable	33	7603J	Tray, Battery
14	121305X	Switch, Plunger	34	120960X	Decal, Battery
15	STD541431	* Keps, Nut 5/16–18	35	121537X	Battery
16	108824X	Fuse	–	126744X	Manual, Owner's
17	596J	Assembly, Cable	–	101539X	Slope Sheet
18	126766X	Harness, Ignition			
19	73350400	Nut, Hex Jam 1/4–20			
20	10090400	Washer, Lock 1/4			

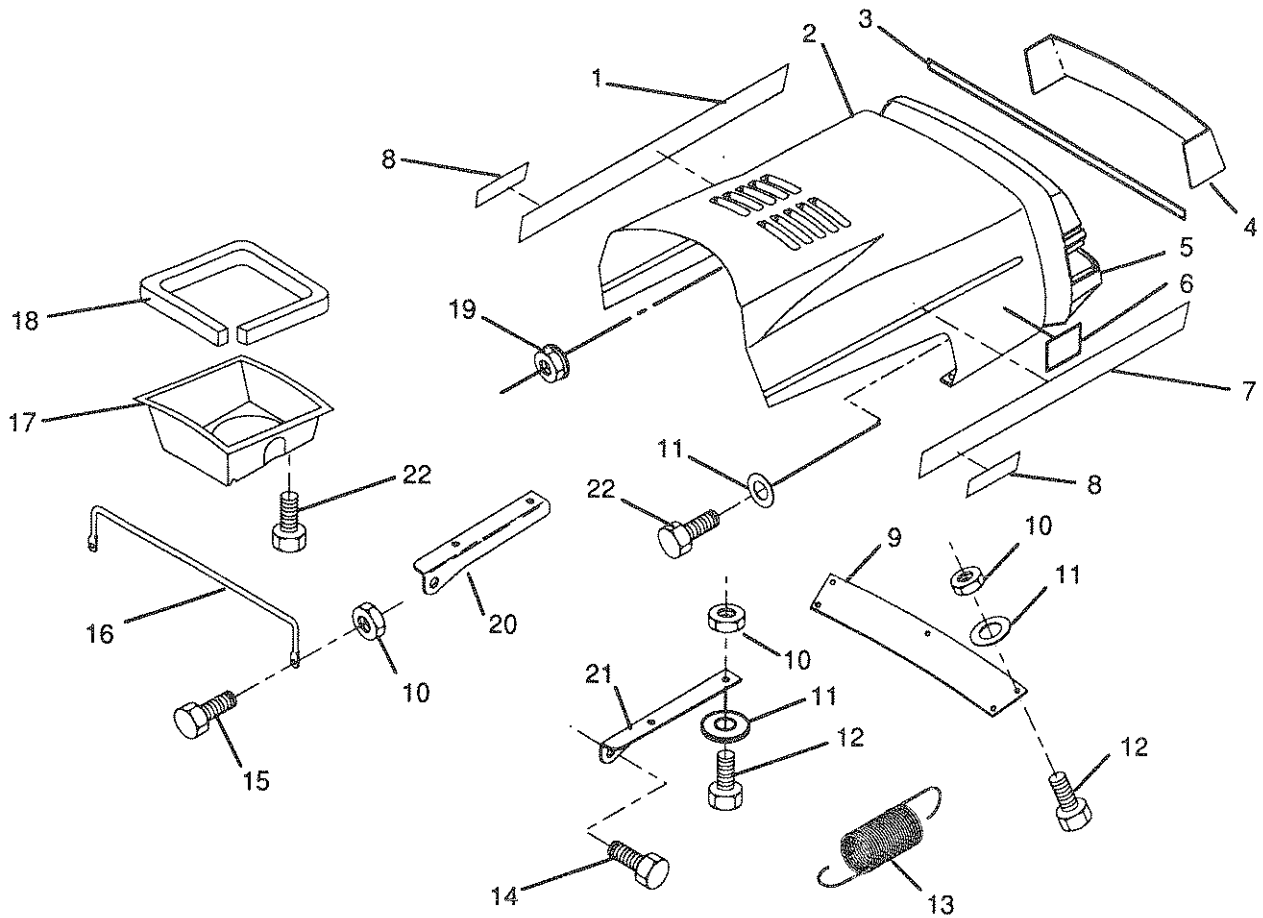
* STANDARD HARDWARE—PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

HOOD



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	126233X	Decal, L.H. Hood	13	124657X	Extension, Spring
2	122032X	Hood	14	126675X	Bolt, Shoulder
3	126241X	Decal, Grill Stripe	15	STD522507	* Bolt, Hex Fin. 1/4-20 x 3/4 Gr.5
4	125745X	Plate, Grill Trim	16	123693X	Brace, Hood
5	123705X	Grill	17	123840X	Duct, Air
6	108631X	Decal, II	18	120537X	Strip, Foam
7	126234X	Decal, R.H. Hood	19	124346X	Nut, Self-Thd, wsh.hd. 3/16
8	124491X	Decal, Side Panel	20	122548X	Bracket, Hood L.H.
9	122550X	Strap, Grill	21	122549X	Bracket, Hood R.H.
10	STD541425	* Nut, Hex, Keps 1/4-20	22	17411310	Screw, Fin. Hex
11	STD551025	* Washer, 9/32 x 5/8 x 16 Ga.			#13-16 Hi-Lo x 5/8
12	STD522506	* Bolt, Hex Fin. 1/4 - 20 UNC 5/8			

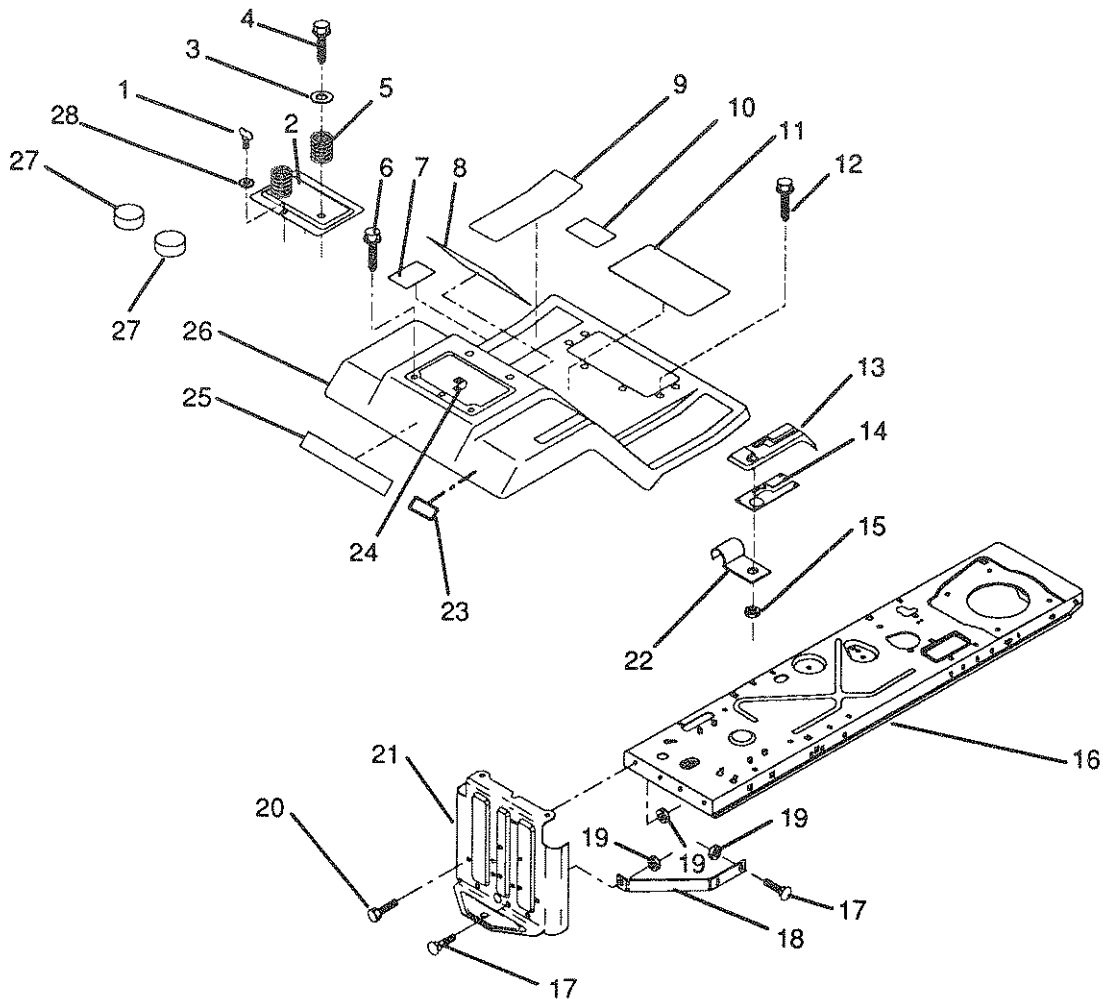
* STANDARD HARDWARE-PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

FENDER / CHASSIS



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	123650X	Stud 1/4 Turn	15	120579X	Palnut
2	122008X	Door, Fender	16	123645X	Assembly, Frame
3	19132012	Washer 13/32 x 1 1/4 x 12 Ga.	17	STD533107	* Bolt, Carriage 5/16-18 UNC x 3/4
4	17490612	Screw, Hex Wsh. Thrdrol. 3/8-16 x 3/4	18	123379X	Brace, Drawbar
5	124181X	Spring, Compression Seat	19	STD541431	* Nut, Crownlock 5/16-18
6	17490508	Screw, Hex Wsh. Thrdrol. 5/16-18 x 1/2	20	STD523107	* Bolt, Hex Hd. 5/16-18 UNC x 3/4
7	123408X	Decal, Ground Drive Schematic	21	121904X	Drawbar
8	106974X	Decal, Caution	22	126470X	Clip, Insulated
9	126700X	Pad, Footrest	23	750211	Decal, USA
10	126701X	Pad, Center	24	105839X	Recptacle 1/4 Turn
11	126712X	Decal, Operating Instructions	25	125880X	Decal, Fender
12	17490512	Screw, Hex Wsh. Thrdrol. 5/16-18 x 3/4	26	124332X	Fender/Footrest
13	126222X	Console, Shift Control	27	121093X	Cap, Spring
14	124602X	Bar, Shift Lock	28	105838X	Retainer 1/4 Turn

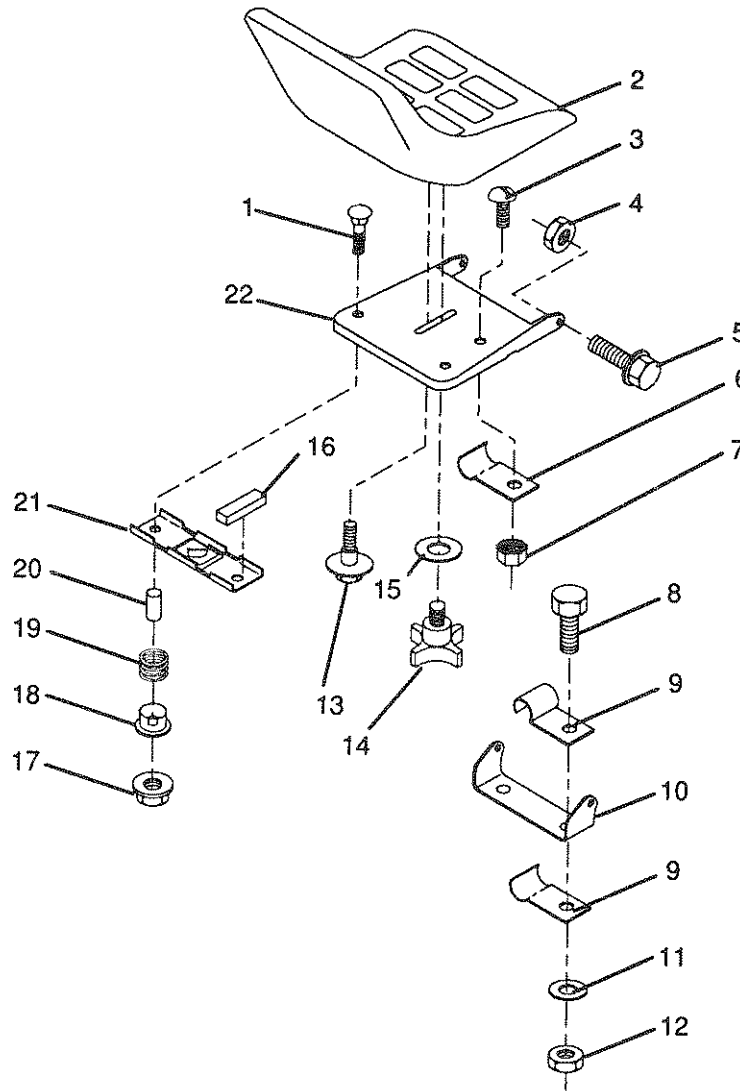
* STANDARD HARDWARE--PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

SEAT



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	72170410	Bolt, Carriage 1/4-20 x 1 1/4	12	STD541437	* Nut, Crownlock 3/8-16 UNC
2	120066X	Seat	13	121144X	Bolt, Shoulder
3	STD511005	* Screw, Slotted Pan Head 10-32 x 1/2	14	120068X	Knob, Seat 1/2"
4	STD541431	* Nut, Crownlock 5/16-18	15	19171912	Washer, 17/32 x 1 3/16 x 12 Ga.
5	105529X	Bolt, Shoulder 5/16-18 UNC	16	121251X	Strip, Foam
6	4171R	Clip, Insulated	17	123976X	Nut, Hex Large Flange Loc.
7	73951000	Nut, Keps 10-32 UNF	18	121248X	Bushing, Snap
8	STD523707	* Bolt, Fin. Hex 3/8-16 UNC x 3/4	19	121250X	Spring, Compression
9	126471X	Clip, Insulated	20	121249X	Spacer, Split 28 ld. x .88 Lg.
10	105513X	Bracket, Pivot Seat	21	121246X	Bracket, Switch, Mounting
11	19131210	Washer 13/32 x 3/4 x 10 Ga.	22	124294X	Pan, Seat

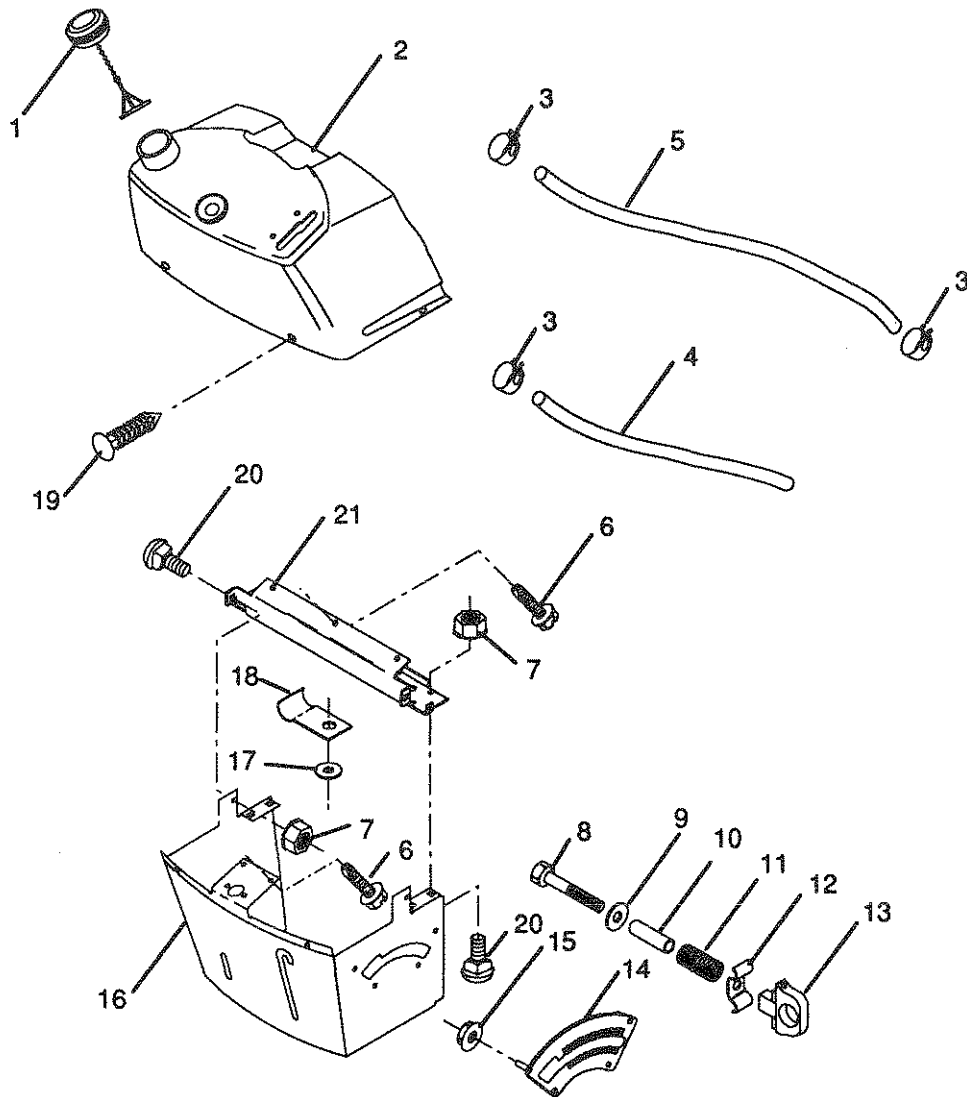
* STANDARD HARDWARE--PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

DASH



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	122015X	Cap, Fuel	12	123493X	Clip, Height Adjustment
2	123986X	Assembly, Dash & Fuel Tank	13	126115X	Knob, Height Stop
3	123487X	Clamp, Hose	14	122023X	Adjustment, Quadrant Height
4	8548R	Line, Fuel	15	124346X	Nut, Self Thread 3/16-18
5	8544R	Line, Fuel	16	121789X	Support, Dash
6	17111312	Screw Hex Hd. Washer	17	STD551025	* Washer 9/32 x 3/4 x 16 Ga.
7	STD541425	* Nut, Hex Keps 1/4-20	18	2751R	Clip, Fuel line
8	74760432	Bolt, Fin. Hex 1/4-20 x 2	19	122017X	Snap, Plastic
9	STD551031	* Washer, 11/32 x 11/16 x 16	20	STD532505	* Bolt, Carriage 1/4-20 x 1/2 Gr.5
10	123494X	Spacer, Split	21	122016X	Brace, Cross
11	2876H	Spring			

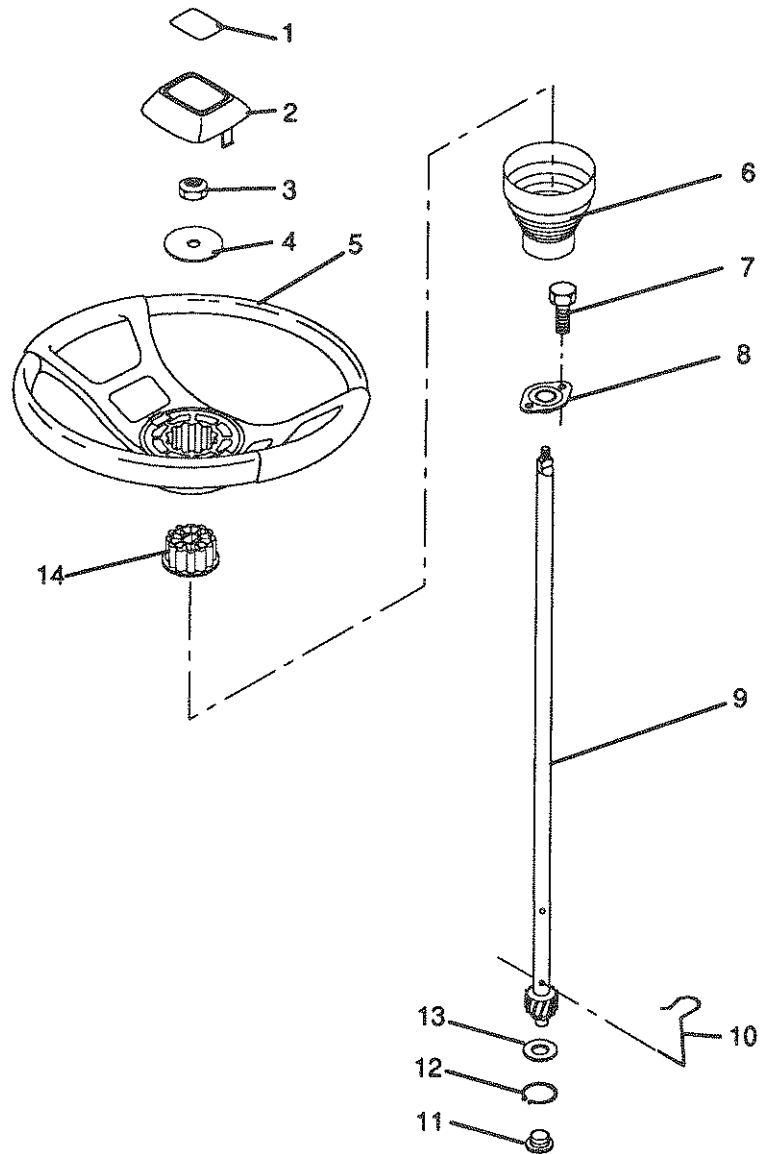
* STANDARD HARDWARE-PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

STEERING WHEEL



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	126746X	Decal Steering Wheel	8	102803X	Bushing, Steering
2	100710L	Insert, Wheel, Steering	9	123651X	Shaft, Steering
3	STD541537	* Nut, Lock 3/8-24 UNF	10	124210X	Clip, Steering
4	19133808	Washer 13/32 x 2 3/8 x 8 Ga.	11	123438X	Bushing, Lower, Steering
5	121021X	Wheel Steering	12	12000045	Ring, Retaining
6	121897X	Sleeve, Steering	13	STD551062	* Washer 21/32 x 1 x 16 Ga.
7	STD611005	* Screw, Hex SLFTP #10-16 x 1/2 TY-B	14	104820X	Adaptor, Wheel, Steering

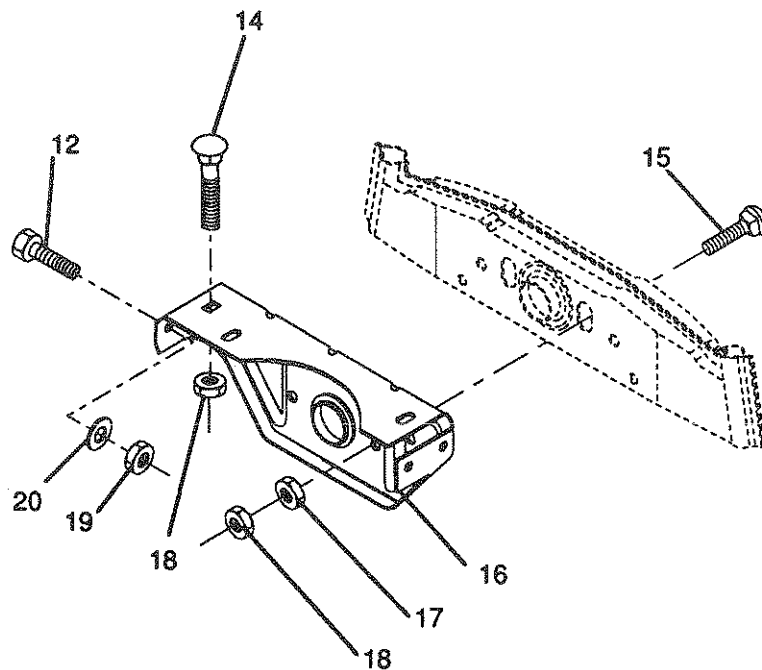
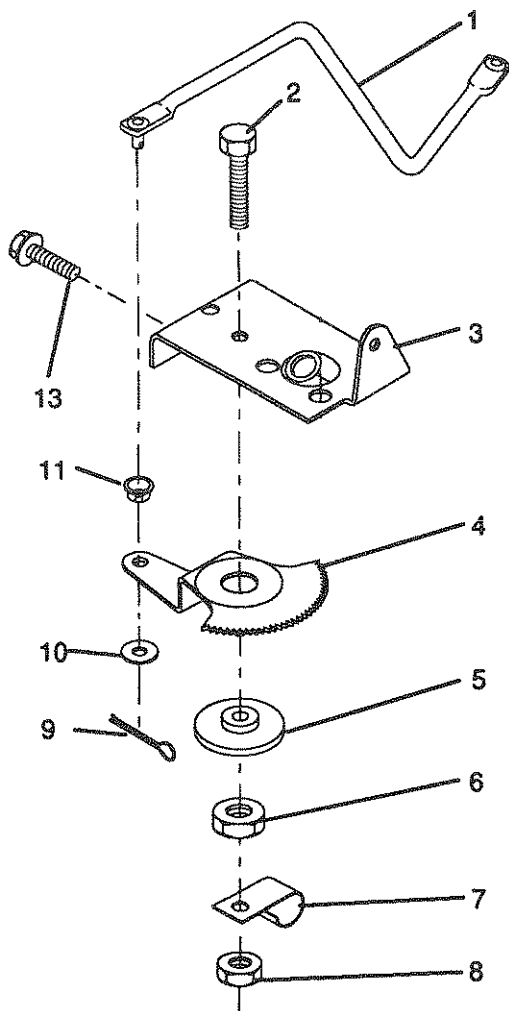
* STANDARD HARDWARE—PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

SECTOR GEAR / AXLE SUPPORT



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

KEY NO.	PART NO.	DESCRIPTION
11	120754X	Bushing
12	STD523107	* Bolt, Hex Hd. 5/16-18 UNC x 3/4
13	17490508	Screw Hex Thrdrol 5/16-18 x 1/2
14	STD533707	* Bolt, Carriage 3/8-16 UNC x 3/4
15	72140622	Bolt, Carriage 3/8 - 16 x 2 3/4
16	121912X	Support, Front Axle
17	STD541037	* Nut, Fin. Hex 3/8-16 UNC
18	STD541437	* Nut, Centerlock 3/8-16 UNC
19	STD541431	* Nut, Crownlock 5/16-18
20	19111416	Washer 11/32 x 7/8 x 16 Ga.

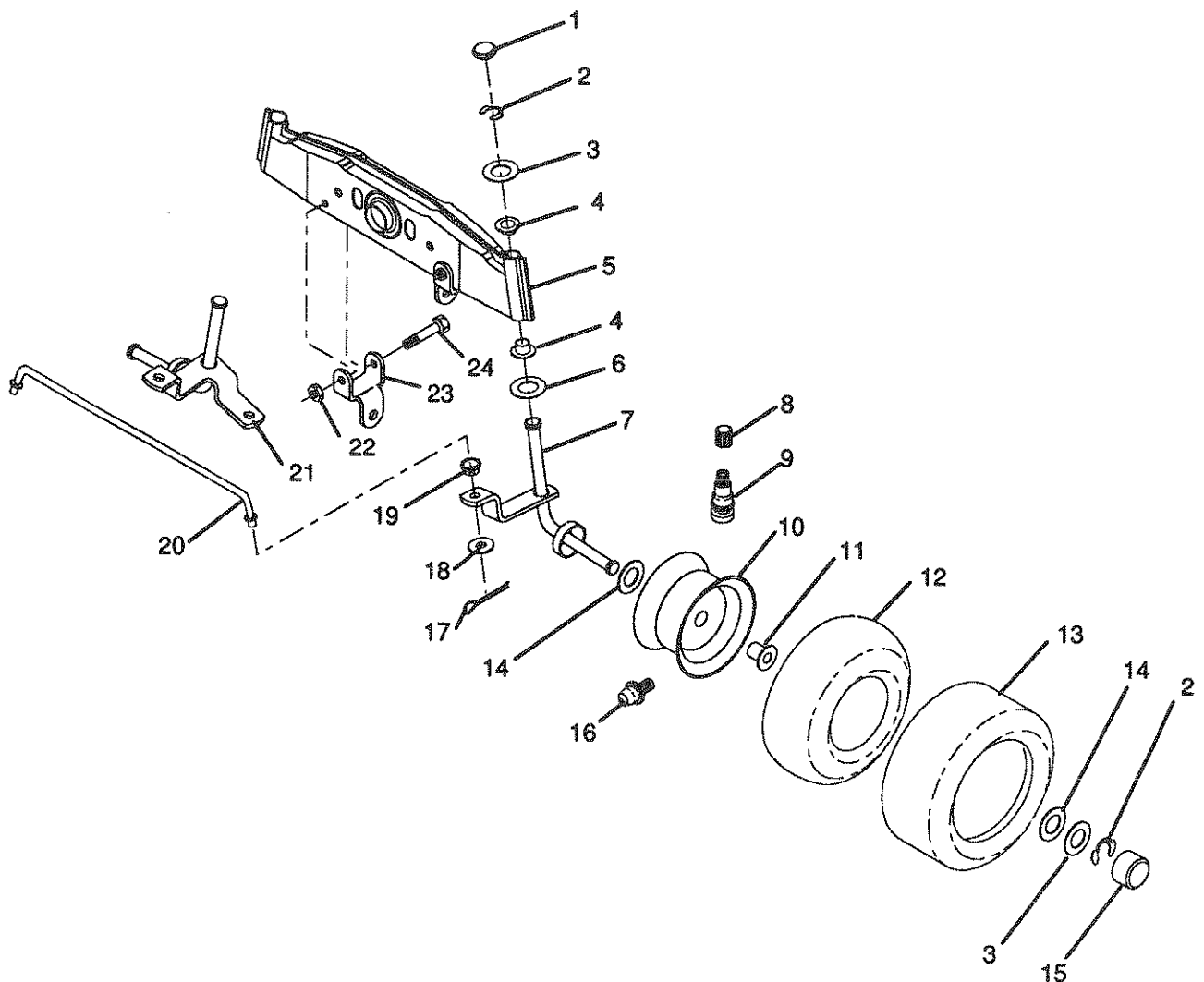
* STANDARD HARDWARE--PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

FRONT AXLE



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	121232X	Cap, Spindle	14	121749X	Washer 25/32 x 1 1/4 x 16 Ga.
2	1200029	Ring, Clip	15	104757X	Cap, Hub
3	121748X	Washer, 25/32 x 1 5/8 x 16 Ga.	16	278H	Fitting, Grease
4	121922X	Nyliner	17	STD561210	* Pin, Cotter 1/8 x 3/4
5	121914X	Axle, Front	18	STD551037	* Washer 13/32 x 13/16 x 16 Ga.
6	6266H	Bearing, Thrust	19	120754X	Bushing
7	121919X	Spindle R.H. Asm.	20	121924X	Rod, Tie
8	59192	Cap, Valve	21	121916X	Spindle, L.H. Asm.
9	65139	Stem, Valve	22	STD541431	* Nut, Crownlock 5/16-18
10	122394X	Rim	23	121915X	Bracket, Front Stabilizer Link
11	9040H	Bearing, Flange	24	74760540	Bolt, Hex Fin. 5/16 x 18 UNC x 2 1/2
12	59904	Tube			
13	123410X	Tire, Front			

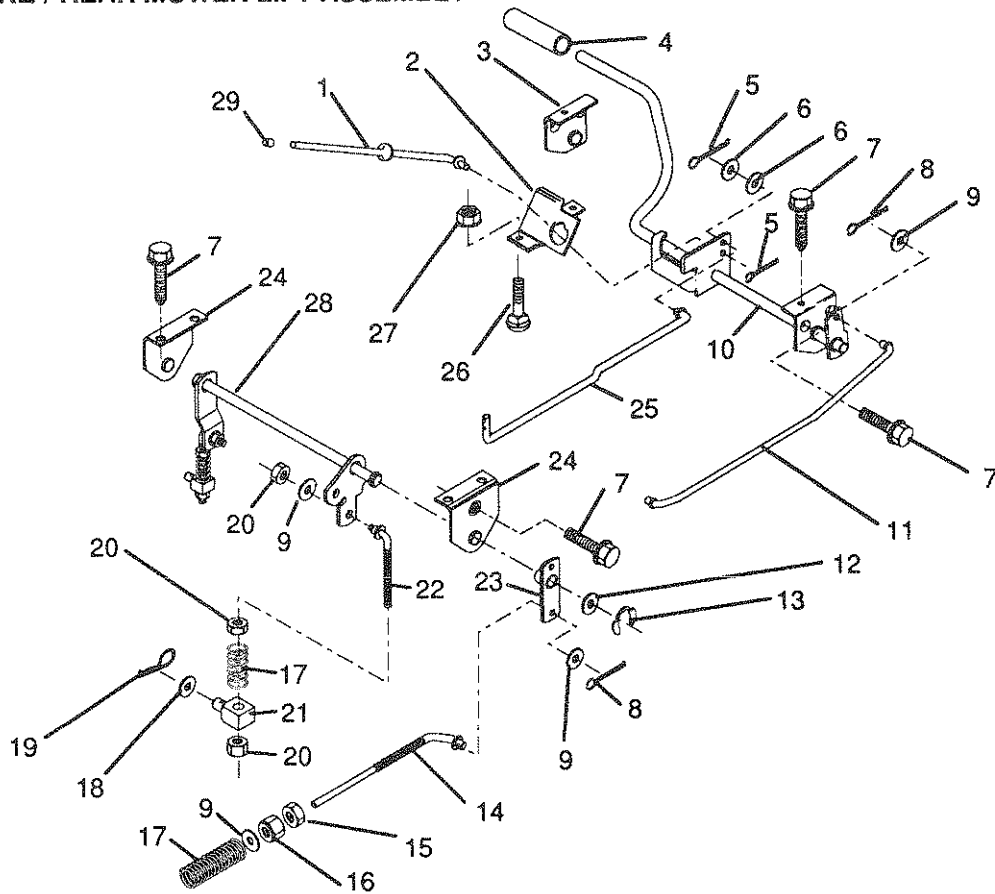
* STANDARD HARDWARE—PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

PARKING BRAKE / REAR MOWER LIFT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	123436X	Rod, Parking Brake	17	106888X	Rod, Spring Brake
2	123437X	Bracket, Parking Brake	18	19132012	Washer 13/32 x 1 1/4 x 12 Ga.
3	122504X	Bracket, L.H. Clutch Pedal	19	4921H	Spring, Retainer
4	8883R	Cover, Pedal	20	STD541437	* Nut, Centerlock 3/8–16 UNC
5	STD560907	* Pin, Cotter 3/32 x 3/4	21	106204X	Trunnion, Lift
6	STD551037	* Washer, 13/32 x 5/8 x 16 Ga.	22	123672X	Link, Threaded
7	17490508	Screw Hex Thdrol 5/16–18 x 1/2	23	123641X	Assembly, Brake Pivot Arm
8	STD561210	* Pin, Cotter 3/32 x 3/4	24	121978X	Bracket, Lift Shaft
9	STD551037	* Washer 13/32 x 13/16 x 16 Ga.	25	123394X	Rod, Clutch
10	124145X	Assembly, Clutch/Brake Pedal	26	STD533107	* Bolt, Carriage 5/16–18 UNC x 3/4
11	123543X	Rod, Front Brake	27	STD541431	* Nut, Keps 5/16–18 UNC
12	19251816	Washer 25/32 x 1 1/8 x 16 Ga.	28	123547X	Assembly, Rear Mower Lift
13	12000034	Ring, Clip	29	124236X	Cap, Plunger
14	126759X	Rod, Rear Brake			
15	STD541237	* Nut, Hex Jam 3/8–16 UNC			
16	STD541437	* Insert, Nut With Washer 3/8–16 UNC			

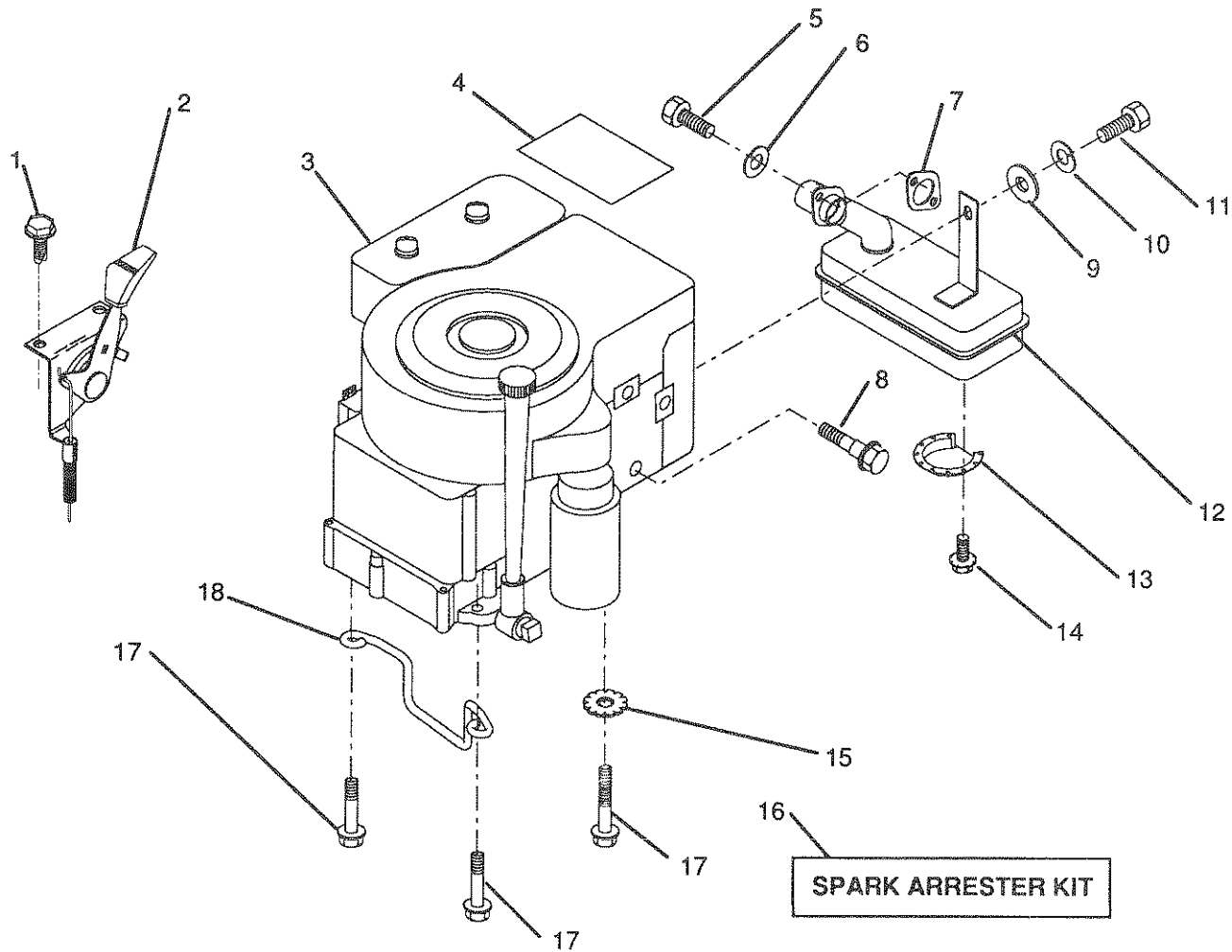
* STANDARD HARDWARE—PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

ENGINE / THROTTLE



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	17720408	Screw, Hex Thd. Cut 1/4–20 x 1/2	10	STD551125	* Washer, Lock Heavy Helical Spring 1/4
2	124270X	Control, Throttle	11	STD522507	* Bolt, Hex Fin. 1/4–20 UNC x 3/4
3	124149X	Engine, Briggs and Stratton Model No. 281707 Type No. 0413–01	12	123676X	Muffer
4	126685X	Decal, Craftsman/Briggs 12 HP	13	101326L	Deflector, Muffer
5	71070512	Screw, Hex Hd. Cap 5/16–18 x 3/4	14	17030808	Screw, Spiderlock Hex Hd. 8 x 1/2 ABTPS
6	STD551131	* Washer, Lock Heavy Helical Spring 5/16	15	STD551237	* Lockwasher, Ext. Tooth 3/8
7	125593X	Gasket, Exhaust	16	121851X	Kit, Spark Arrester (optional)
8	121094X	Bolt, Shoulder 5/16	17	17490624	Screw, Hex Wsh Hd Thdrol 3/8–16 x 1 1/2
9	STD551031	* Washer, 5/16 x 3/4 x 16 Ga.	18	126636X	Keeper, Ground Drive Belt

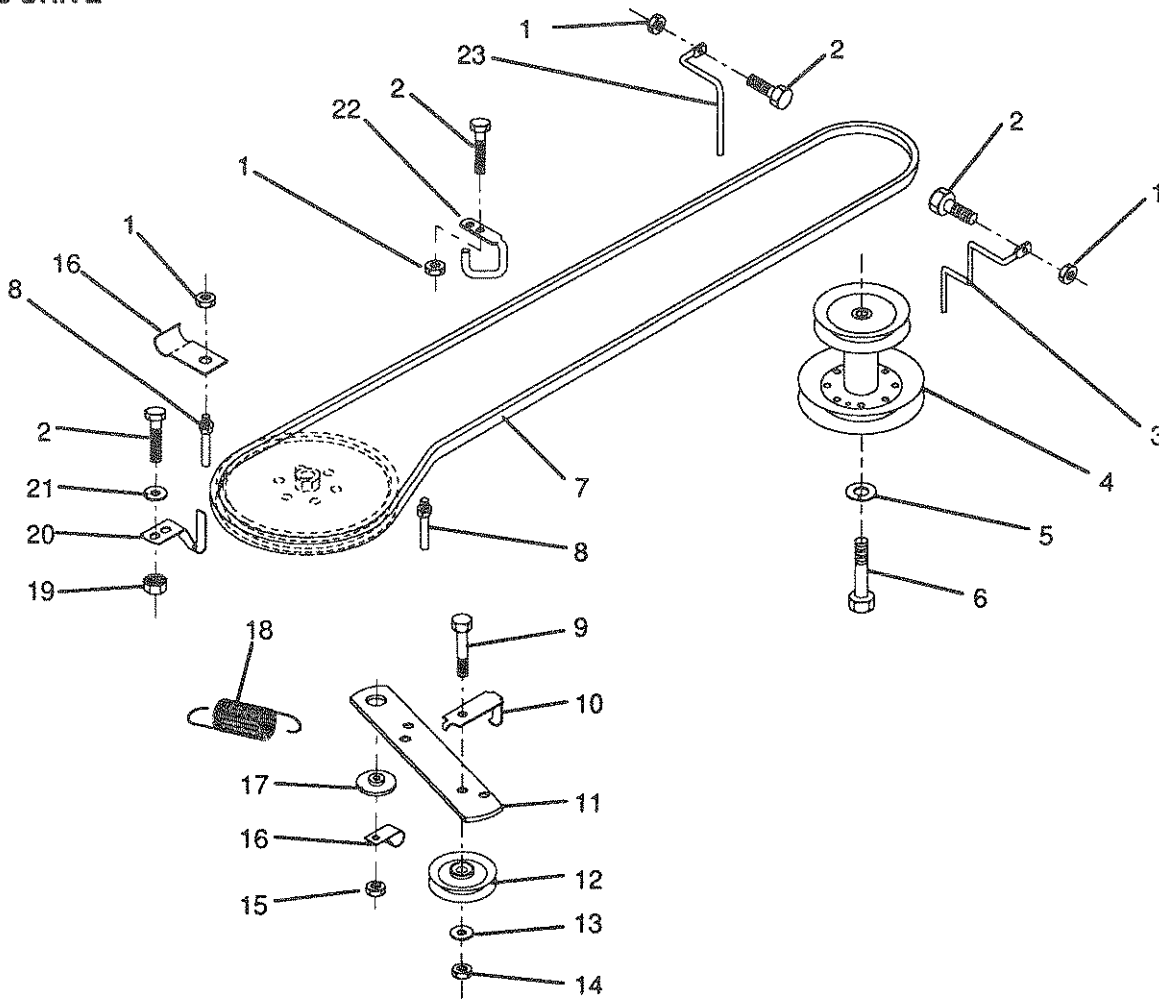
* STANDARD HARDWARE—PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

GROUND DRIVE



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	STD541431	* Nut, Crownlock 5/16-18	12	4859J	Idler, Flat
2	STD523107	* Bolt, Hex Hd. 5/16-18 UNC x 3/4	13	STD551037	* Washer 13/32 x 13/16 x 16 Ga.
3	123448X	Keeper, Engine Mower Drive R.H. Belt	14	73930600	Nut, Centerlock 3/8-16 UNC
4	123400X	Pulley, Engine	15	STD541437	* Nut, Crownlock 3/8-16 UNC
5	STD551143	* Washer, Lock Hvy. Helical Spring 7/16	16	126471X	Clip, Insulated
6	74770720	Bolt, Fin. Hex 7/16-20 UNF x 1 1/4	17	122052X	Spacer, Retainer
7	124525X	Traction, V-Belt Drive	18	123397X	Spring, Extention
8	123405X	Keeper, T/A Ground Drive Belt	19	STD541431	* Nut, Keps 5/16-18 UNC
9	STD523715	* Bolt, Hex Hd. 3/8-16 UNC x 1 1/2	20	123891X	Keeper, T/A Ground Drive Belt
10	123396X	Keeper, Belt Ground Drive Idler	21	STD551025	* Washer 11/32 x 5/8 x 16 Ga.
11	123395X	Arm, Ground Drive Clutch	22	123404X	Keeper, Frame Ground Drive Belt
			23	123402X	Keeper, Engine Mower Drive L.H. Belt

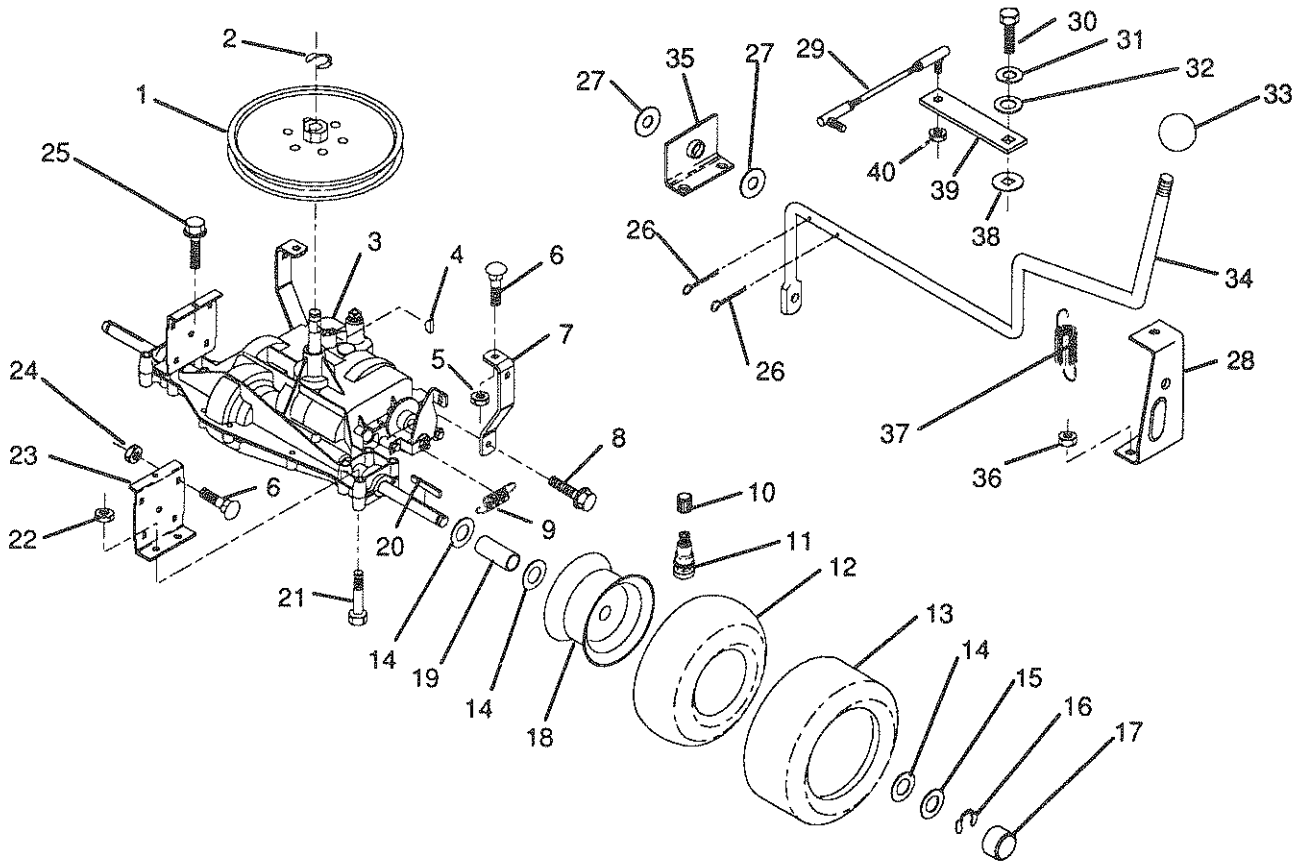
* STANDARD HARDWARE-PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

TRANSAXLE



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	123385X	Pulley	23	123377X	Bracket, Transaxle
2	12000028	Ring, Retainer	24	STD541431	* Nut, Crownlock 5/16-18
3	123655X	Transaxle	25	17490508	Screw, 5/16-18 x 1/2
4	STD580025	* Key, Woodruff #9	26	STD561210	* Pin, Cotter 1/8 X 1
5	STD541431	* Nut, Crownlock 5/16-18	27	STD551050	* Washer 17/32 x 1 x 16 Ga.
6	STD533107	* Bolt, Carriage 5/16-18 UNC x 3/4	28	124601X	Support, Handle Shift R.H.
7	123378X	Strap, Torque	29	123632X	Link, Shift
8	17490512	Screw, Hex Thdrol. 5/16-18 x 3/4	30	71040412	Bolt, Fin, Hex 1/4-28 UNF x 3/4 Gr.8
9	110442X	Spring, Brake	31	STD551125	* Washer, Lock Hvy. Helical Spring 1/4
10	59192	Cap, Valve	32	19091210	Washer 9/32 x 3/4 x 10 Ga.
11	65139	Stem, Valve	33	106933X	Knob, Shift Control
12	8134H	Tube	34	124599X	Shift Rod
13	123411X	Tire, Rear	35	124600X	Support, Handle Shift L.H.
14	121749X	Washer 25/32 x 1 1/4 x 16 Ga.	36	STD541431	* Nut, Keps 5/16-18
15	121748X	Washer, 25/32 x 1 5/8 x 16 Ga.	37	123393X	Extention, Spring
16	STD581075	* E-Ring	38	105701X	Washer, Shift Plate
17	104757X	Hub, Cap	39	123539X	Arm, Shift
18	123412X	Rim	40	STD541531	* Nut, Hex Nylon 5/16-24
19	123409X	Spacer			
20	123583X	Key, Square			
21	STD523727	* Bolt, Fin, Hex 3/8-16 x 2 3/4			
22	STD541437	* Nut, Crownlock 3/8-16			

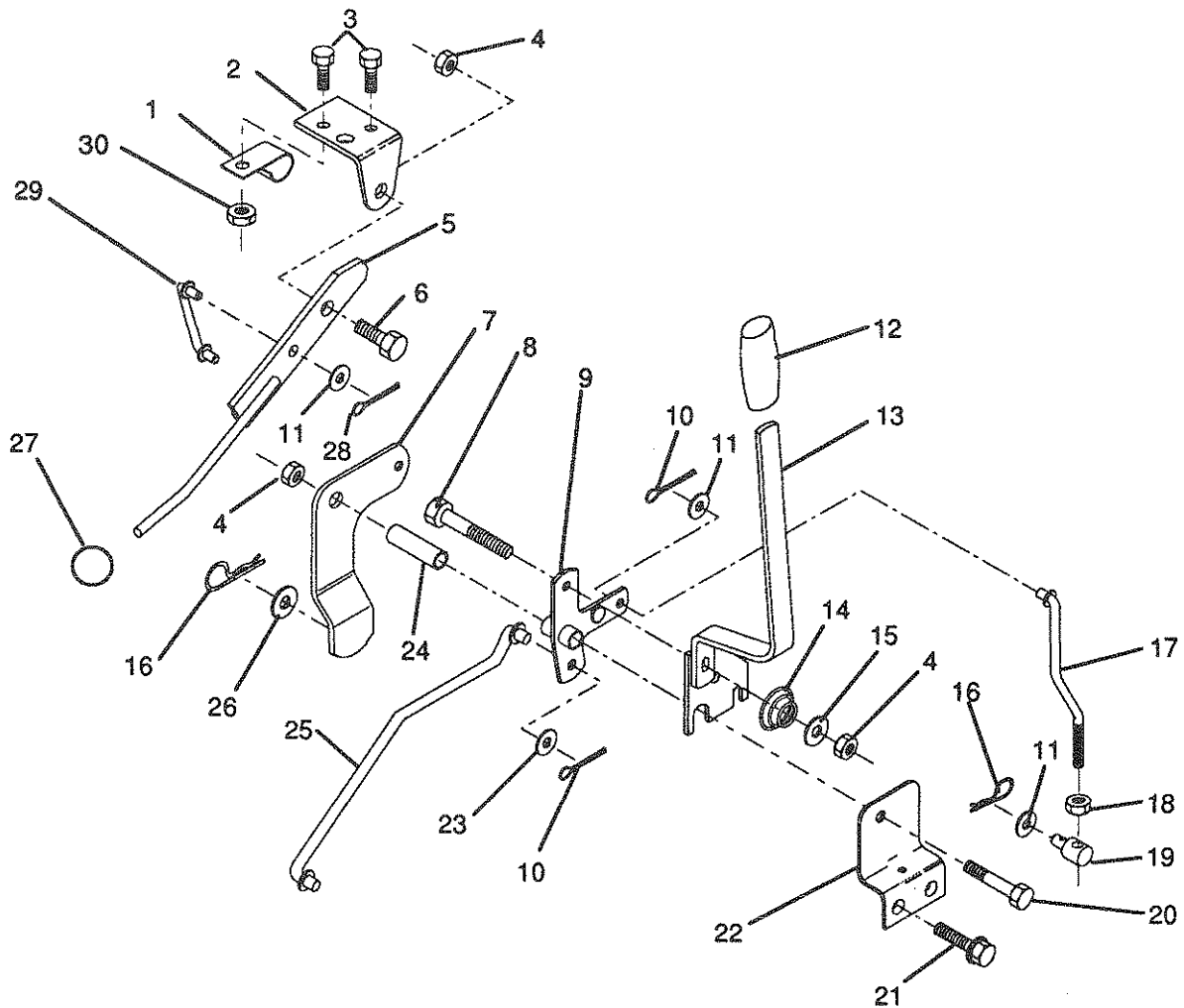
* STANDARD HARDWARE-PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

MOWER LIFT LEVER



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	126470X	Clip, Insulated	17	123654X	Link, Front Lift
2	122018X	Bracket, Mower Clutch	18	STD541237	* Nut, Hex Jam 3/8 x 16 UNC
3	74780408	Bolt, Fin. Hex 1/4-20 Unc x 1/2 Gr.5	19	7078J	Threaded, Trunnion 3/8-16
4	STD541437	* Nut, Crownlock 3/8-16 UNC	20	STD523727	* Bolt, Fin. Hex 3/8-16 UNC x 2 3/4
5	123417X	Assembly, Clutch Lever	21	17490508	Screw, Hex Thdrol. 5/16-18 x 1/2
6	106451X	Bolt, Shoulder	22	121929X	Bracket, Mower Height
7	123491X	Assembly, Mower Clutch Arm	23	STD551050	* Washer 17/32 x 1 x 16 Ga.
8	STD523722	* Bolt, Hex 3/8-16 UNC x 2 1/4	24	121933X	Tube, Spacer
9	121930X	Assembly, Bellcrank Lift	25	121934X	Rod, Mower Lift
10	STD561210	* Pin, Cotter 1/8 x 1	26	STD551037	* Washer, 13/32 x 13/32 x 16 Ga.
11	STD551037	* Washer, 13/32 x 13/16 x 16 Ga.	27	106932X	Knob
12	122027X	Grip, Handle	28	STD560907	* Pin, Cotter 3/32 x 3/4
13	122741X	Assembly, Lift Handle	29	123671X	Link, Mower Clutch
14	123496X	Spring, Compression	30	73680400	Nut, Crownlock 1/4-20
15	19131212	Washer, 13/32 x 3/4 x 12 Ga.			
16	4921H	Retainer, Spring			

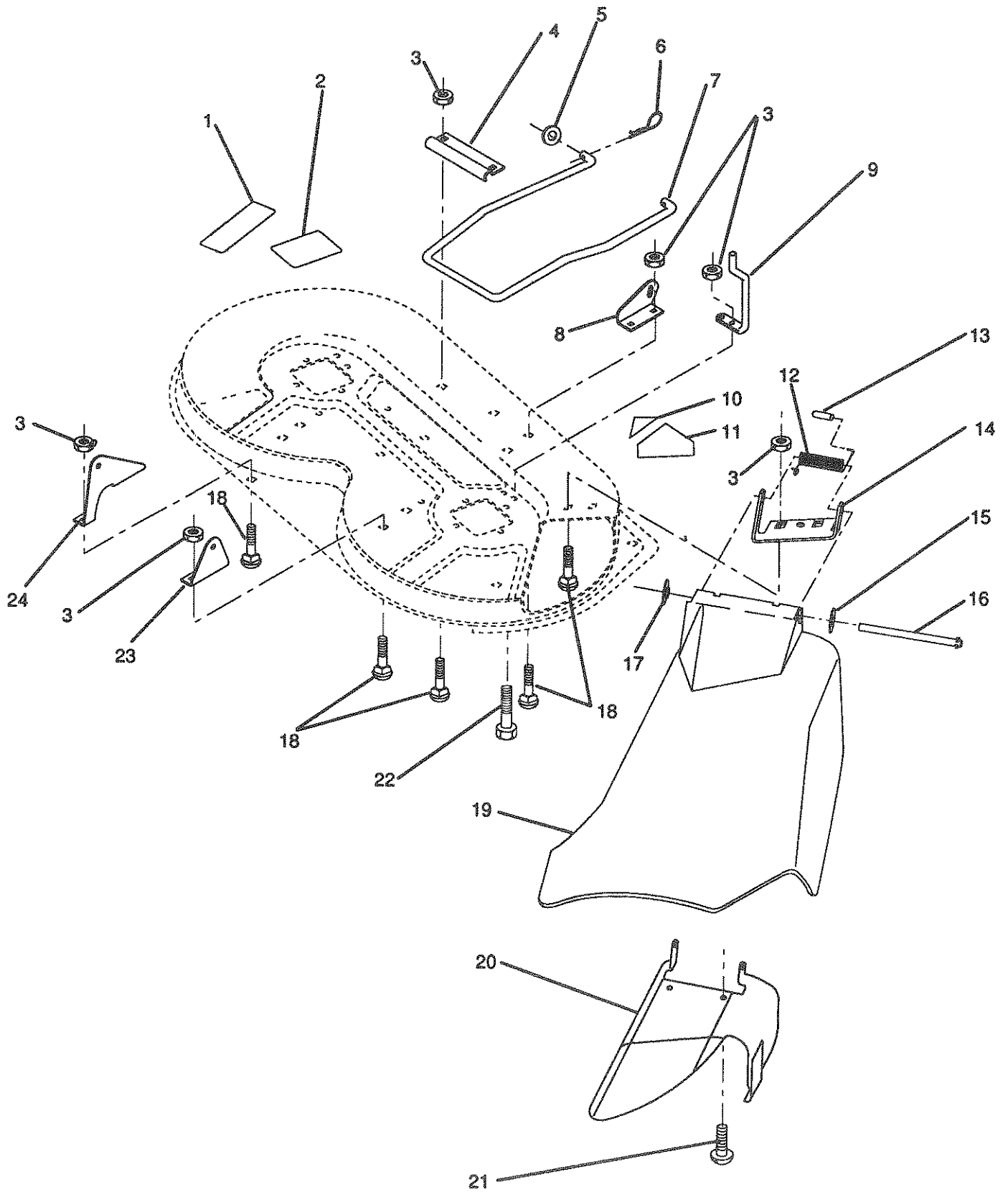
* STANDARD HARDWARE--PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

MOWER DECK



REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

MOWER DECK

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	3713J	Decal, Caution	13	105304X	Cap, Sleeve
2	105814X	Decal, V-Belt Mower Drive	14	126361X	Bracket, Deflector
3	STD541431	* Nut Crownlock 5/16–18	15	19111016	Washer 11/32 x 5/8 x 16 Ga.
4	122047X	Bracket, Stabilizer Link	16	121980X	Rod, Hinge
5	STD551050	* Washer 17/32 x 1 1/16 x 13 Ga.	17	110452X	Pushnut
6	4921H	Retainer, Spring	18	STD533106	* Bolt, Carriage 5/16–18 UNC x 5/8
7	124636X	Stabilizer, Mower Link	19	126370X	Guard, Discharge
8	122045X	Bracket, R.H. Front Lift	20	125629X	Assembly, Deflector Support
9	123661X	Guide, Front Mandrel R.H. Mower Belt	21	17051007	Screw, Pan Hd. PLT–30
10		Decal, Safety Standard (not serviced)	22	STD523107	* Bolt, Hex Head 5/16–18 UNC x 3/4
11	121343X	Decal, Warning	23	122043X	Bracket, R.H. Rear Lift
12	123713X	Spring, Torsion	24	122044X	Bracket, L.H. Rear Lift

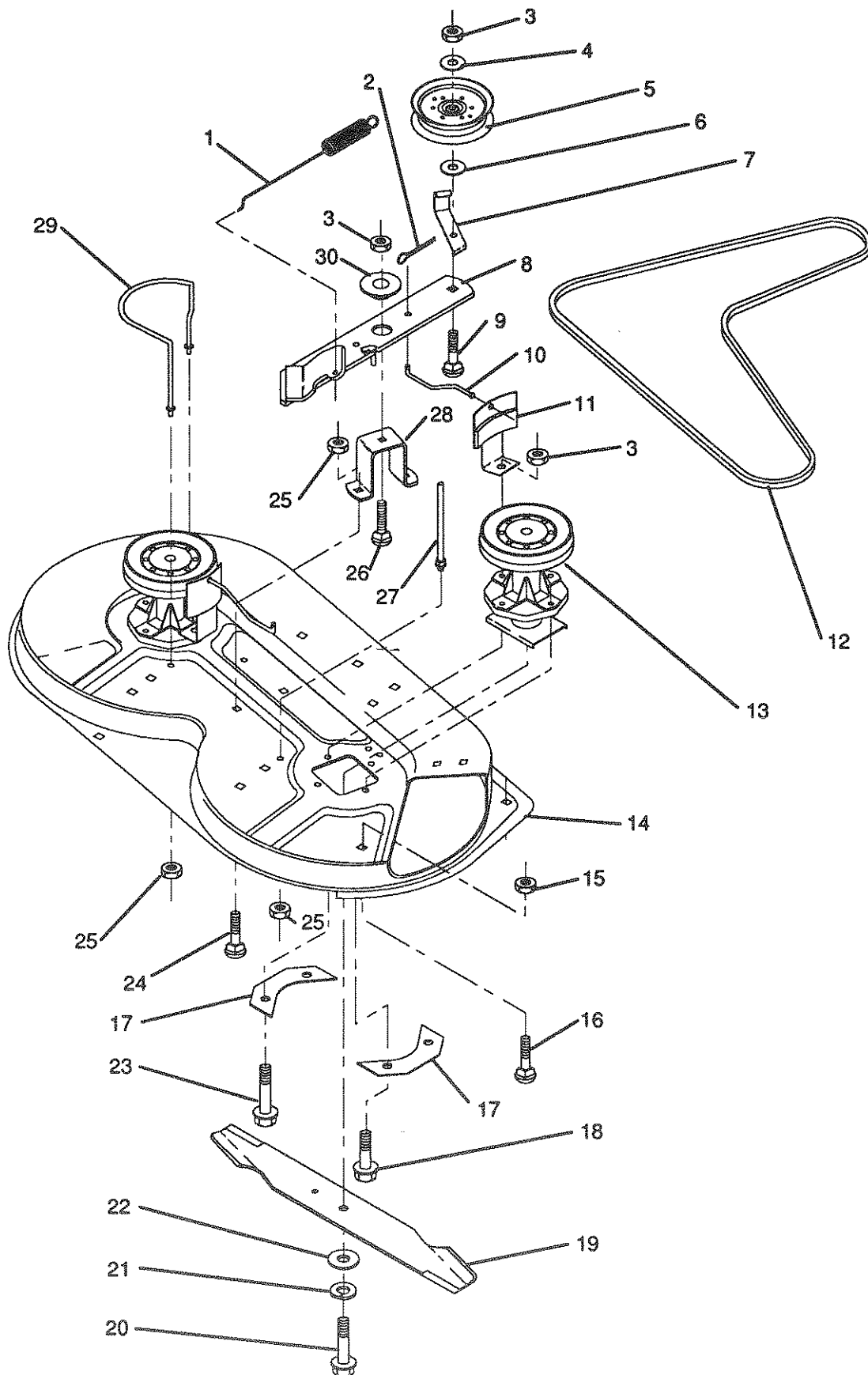
* STANDARD HARDWARE—PURCHASE LOCALLY

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

MOWER DECK



REPAIR PARTS

12 H.P. 36" LAWN RIDER – MODEL NUMBER 917.256240

MOWER DECK

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	122028X	Spring, Mower Clutch	18	17490614	Screw Hex Thdrol. 3/8–16 x 7/8
2	STD560907	* Pin, Cotter 3/32 x 3/4	19	126338X	Blade, High Lift
3	STD541437	* Nut, Crownlock 3/8–16 UNC	20	74610624	Bolt, Fin. Hex
4	19131412	Washer 13/32 x 7/8 x 12 Ga.			3/8–24 UNF x 1 1/2 Gr.5
5	121316X	Idler, Flat	21	10030600	Washer, Lock Hvy.3/8
6	19132203	Washer 13/32 x1 3/8 3 Ga.	22	19132012	Washer 13/32 x 1 1/4 x 12 Ga.
7	126756X	Guide, Belt	23	17490620	Screw Hex Thdrol. 3/8–16 x 1 1/4
8	123702X	Assembly, Mower Idler Arm	24	STD533106	* Bolt, Carriage 5/16–18 UNC x 5/8
9	72110618	Bolt, Carriage 3/8–16 x 2 1/4	25	STD541431	* Nut, Crownlock 5/16–18
10	122049X	Rod, Brake	26	72110608	Bolt, Carriage
11	106578X	Assembly, Brake			3/8–16 UNC x 1 Gr.5
12	124293X	V–Belt	27	123439X	Guide, R.H. Rear Belt
13	124208X	Assembly, Mandrel	28	122051X	Support, Idler Arm
14	126410X	Assembly, Deck	29	123673X	Guide, L.H. Belt
15	73680400	Nut, Crownlock 1/4–20	30	122052X	Spacer, Retainer
16	STD532505	* Bolt, Carriage 1/4–20 x 1/2			
17	100668L	Support, Plate Jackshaft			

* STANDARD HARDWARE--PURCHASE LOCALLY

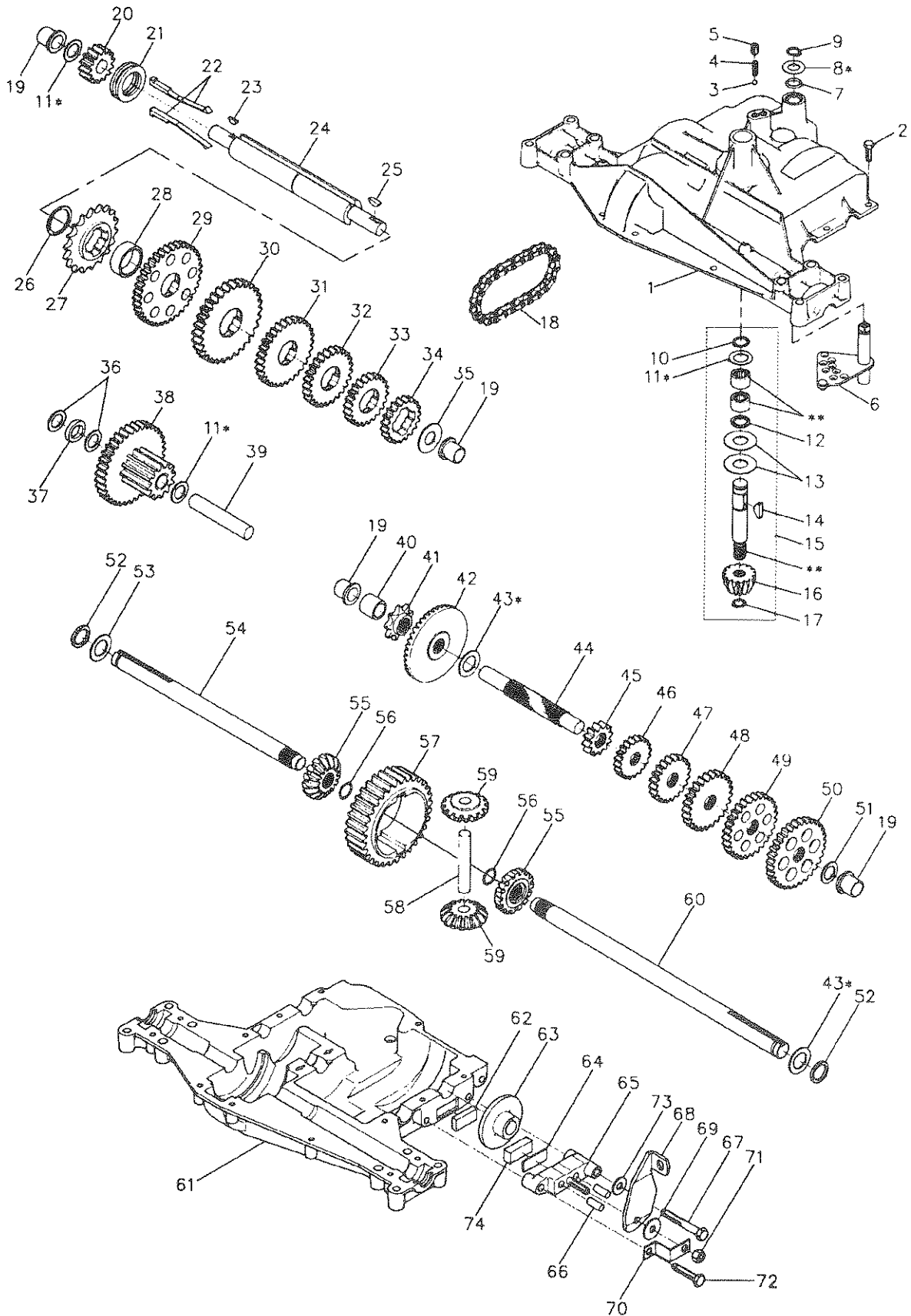
HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

12 H.P. 36" LAWN RIDER - MODEL NUMBER 917-256240

TRANSAXLE DANA - 4360-18

TRANSAXLE



REPAIR PARTS

12 H.P. 36" LAWN RIDER - MODEL NUMBER 917-256240

TRANSAXLE DANA - 4360-18

TRANSAXLE

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION	
1	120458X	37	108978X	Spacer, .630 X 1.00 X .169
2	2274J	38	110079X	Ass'y., Gear, Comb., 12T. & 35T.
3	68003	39	120471X	Shaft, Idler
4	105904X	40	120472X	Spacer, .635 X .875 X .755
5	105905X	41	105928X	Sprocket, 9T.
6	120460X	42	110084X	Gear, Bevel, 42T.
7	120461X	43	108983X	Washer, Plain, .758 X 1.12 X .010
8	120462X	43	105930X	Washer, Plain, .758 X 1.12 X .015
8	120463X	43	105931X	Washer, Plain, .758 X 1.12 X .020
8	120464X	43	105932X	Washer, Plain, .758 X 1.12 X .025
8	120465X	43	3417J	Washer, Plain, .758 X 1.25 X .020
8	120466X	43	106097X	Washer, Plain, .758 X 1.25 X .025
8	83818	43	2264J	Washer, Plain, .758 X 1.25 X .031
8	120467X	43	106098X	Washer, Plain, .758 X 1.25 X .035
9	2286J	43	2265J	Washer, Plain, .758 X 1.25 X .040
10	2267J	43	106586X	Washer, Plain, .758 X 1.25 X .045
11	3413J	43	106587X	Washer, Plain, .758 X 1.25 X .050
11	2233J	43	106588X	Washer, Plain, .758 X 1.25 X .055
11	2232J	43	2263J	Washer, Plain, .758 X 1.25 X .062
11	2231J	44	120473X	Shaft, Drive
11	2230J	45	105933X	Gear, Spur, 12T.
11	2229J	46	106151X	Gear, Spur, 15T.
11	2228J	47	120407X	Gear, Spur, 20T.
11	2227J	48	106589X	Gear, Spur, 25T.
11	2226J	49	120408X	Gear, Spur, 28T.
11	105906X	50	105937X	Gear, Spur, 31T.
12	6725J	51	2226J	Washer, Plain, .632 X 1.00 X .060
13	120415X	52	2272J	Seal, Felt
14	2257J	53	2263J	Washer, Plain, .758 X 1.25 X .062
15	110077X	54	123907X	Axle, L.H.
16	110078X	55	110081X	Gear, Miter, 15T.
17	105909X	56	105941X	Ring, Retaining
18	105910X	57	110071X	Gear, Spur, 32T.
19	105911X	58	120952X	Shaft, Cross
20	108976X	59	110082X	Gear, Miter, 15T.
21	105913X	60	123908X	Axle, R.H.
22	120468X	61	120476X	Housing, Lower
23	2242J	62	120961X	Puck, Friction
24	120469X	63	7294J	Disc, Brake
25	2244J	64	108989X	Spacer
26	105916X	65	120953X	Jaw, Brake
27	120470X	66	120954X	Pin, Dowel
28	110070X	67	120955X	Screw, Tapping, 5/16-18 X 2.25 Lg.
29	108977X	68	108992X	Lever, Actuating
30	109254X	69	108996X	Washer, Plain, .321 X 1.00 X .055
31	120405X	70	120956X	Bracket, Anti-Rotation
32	108980X	71	73810500	Nut, Lock, 5/16-24
33	120406X	72	106596X	Screw, Tapping, 5/16-18 X 1.44 Lg.
34	108455X	73	120993X	Washer, Plain, .343 X .81 X .059
35	105925X	74	120951X	Puck, Friction
36	2232J	75	120416X	Grease

* Use in various combinations to maintain proper clearances.

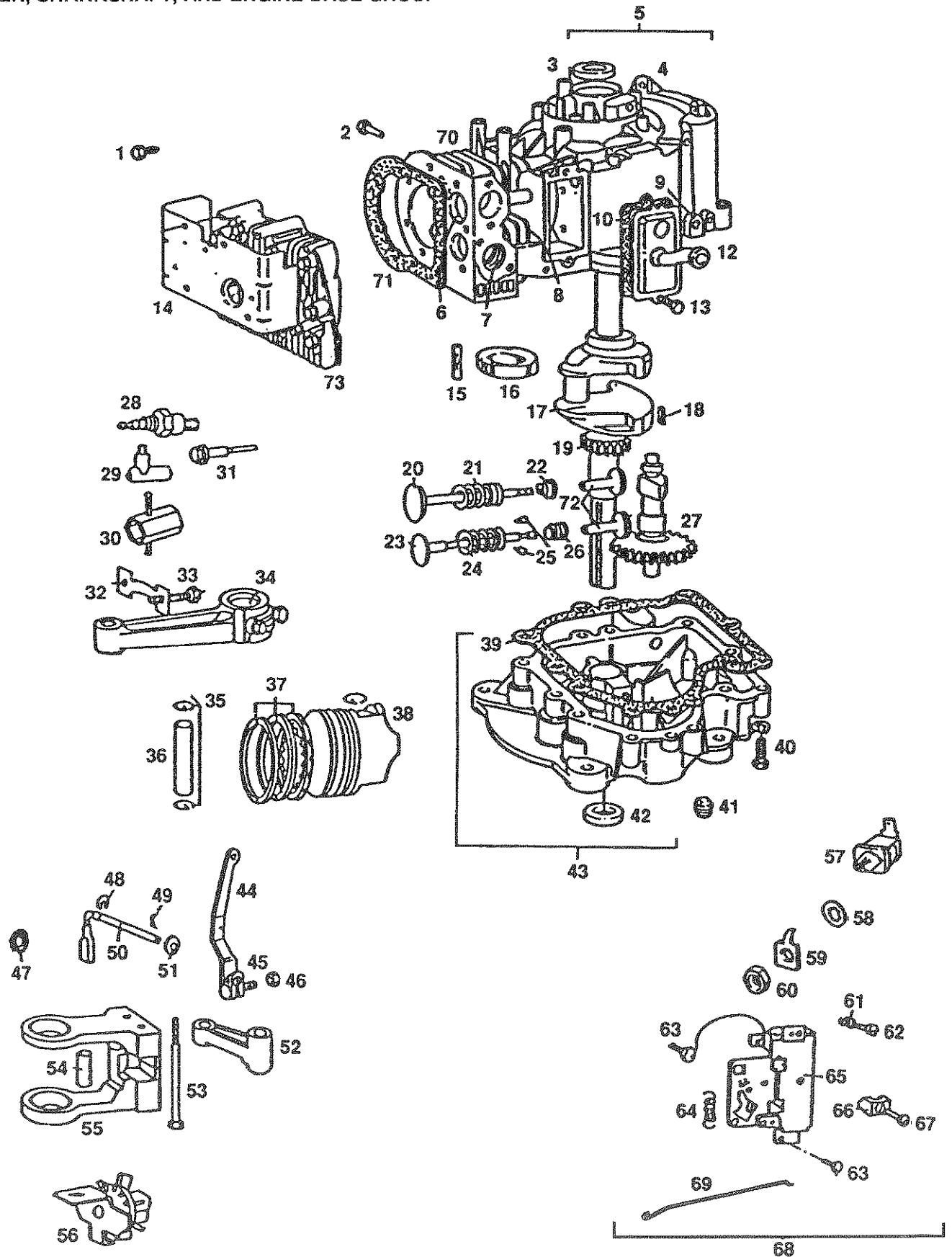
** Order Key No. 15.

REPAIR PARTS

12 H.P. 36" TRACTOR - MODEL NUMBER 917.256240

ENGINE BRIGGS & STRATTON - MODEL NUMBER 281707, TYPE NUMBER 0413-01

CYLINDER, CRANKSHAFT, AND ENGINE BASE GROUP



REPAIR PARTS

12 H.P. 36" TRACTOR - MODEL NUMBER 917.256240

ENGINE BRIGGS & STRATTON - MODEL NUMBER 281707, TYPE NUMBER 0413-01

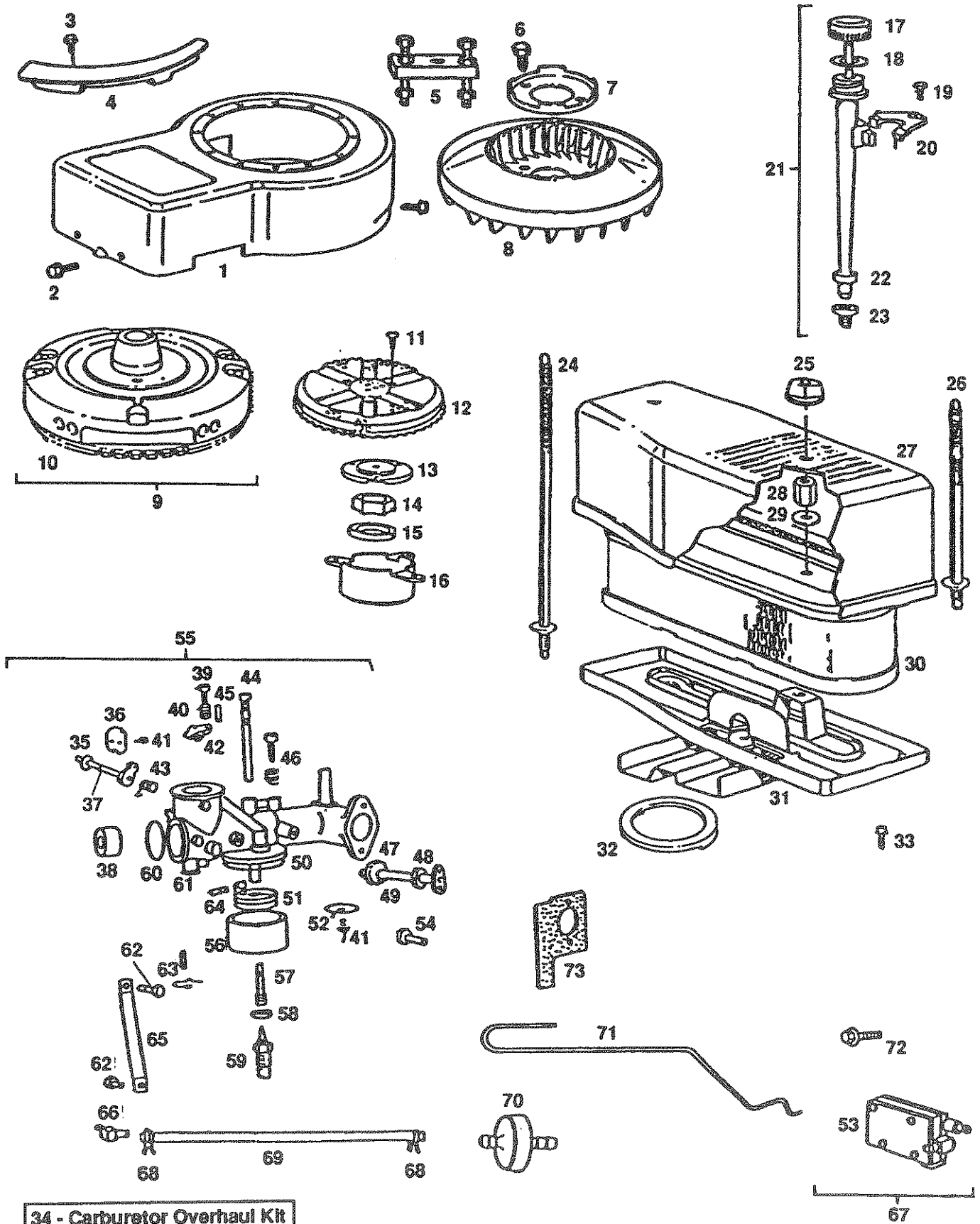
CYLINDER, CRANKSHAFT, AND ENGINE BASE GROUP

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1 93158	Screw, Blower Housing Mounting Sem	38 394661	Piston Assembly Standard
2 93163	Screw, Cylinder Shield Mtg. Sem	394662	Piston Assembly - .010 O.S.
3 261623	Bearing, Cylinder Note: Requires special tools for installation	394663	Piston Assembly - .020" O.S.
4 391086	Seal, Oil	394664	Piston Assembly - .030" O.S.
5 490450	Cylinder Assembly	Piston Ring Sets	Note: For Chrome Ring Set - Standard size - Order No. 392331
6 261463	Seat, Intake Valve (Standard)	39 271916	Gasket, Crankcase Cover (1/64" thick)
7 210940	Seat, Exhaust Valve (Standard)	40 94305	Screw, Base Mounting Sem
8 261961	Guide, Exhaust Valve Note: 231218 Guide - Intake Valve (Brass)	41 91084	Plug, Oil Drain
9 231597	Bushing, Governor Crank (1/4" ID)	42 291675	Seal, Oil
10 27803	Gasket, Valve Cover	43 490452	Base, Engine
11 391406	Breather Assembly	44 490927	Lever Assembly, Governor (For 1/4" dia. Crank)
12 280100	Tube, Breather	45 92613	Boit, Governor Lever
13 93394	Screw, Sem	46 231082	Nut, Hex 10 - 24
14 491490	Cover, Cylinder Head	47 491323	Seal, Oil
15 94160	Pin, Eccentric	48 93307	Retainer, E-Ring
16 262243	Eccentric	49 93306	Cotter, Hairpin
17 490466	Crankshaft Note: Order Part Number 94196 for Timing Gear	50 231058	Crank, Governor (1/4" dia.)
18 222698	Key, Flywheel	51 222450	Washer, Governor Crank (1/4" dia.)
19 262135	Gear, Timing	52 212359	Link, Counterweight
20 262247	Valve, Intake	53 93875	Screw, Counterweight (1)
21 65906	Spring, Intake Valve	54 298909	Pin, Counterweight (1)
22 221596	Retainer, Intake Valve	55 399891	Counterweight Assembly
23 262246	Valve, Exhaust	56 490815	Oil Slinger, Governor
24 26828	Spring, Exhaust Valve	57 398525	Insulator Assembly
25 93630	Retainer, Exhaust Valve Rotocoil (2)	58 92791	Washer, Lock, Shake-proof
26 292260	Rotocoil, Exhaust Valve	59 93722	Terminal, Spade
27 212897	Gear, Cam	60 90576	Nut, Hex 8 - 32
28 293918	Plug, Spark (1 1/2" high - 37-42 mm)	61 26157	Spring, Throttle Adjustment
29 66538	Elbow, Spark Plug	62 90200	Screw, Machine Fil Hd. 8 - 32 x 1/2
30 89838	Wrench, Spark Plug	63 93572	Screw, Carburetor
31 93723	Screw, Cylinder Head (3" long)	64 260871	Spring, Governor
32 222299	Lock, Connecting Rod Screw	65 491594	Plate, Governor Control (Choke-A-Matic)
33 92909	Screw, Connecting Rod	66 221535	Clamp, Casing
34 490348	Rod Assembly, Connecting Note: For Connecting Rod with .020" undersize Crankpin Bore - Order No. 490469	67 93496	Screw, Sem
35 260924	Lock, Piston Pin	68 260584	Spring, Governor Link
36 299691	Pin Assembly, Piston - Standard	69 262348	Link, Governor
37 391286	Pin Assembly, Piston - .005 O.S.	70 223715	Shield, Cylinder
394665	Ring Set, Piston - Standard	71 271866	Gasket, Cylinder Head
391781	Ring Set, Piston - .010" O.S.	72 262248	Tappet Valve
391782	Ring Set, Piston - .020" O.S.	73 491491	Head, Cylinder
391783	Ring Set, Piston - .030" O.S.		

REPAIR PARTS

12 H.P. 36" TRACTOR - MODEL NUMBER 917.256240
ENGINE BRIGGS & STRATTON - MODEL NUMBER 281707, TYPE NUMBER 0413-01

AIR CLEANER - CARBURETOR GROUP



REPAIR PARTS

12 H.P. 36" TRACTOR - MODEL NUMBER 917.256240
 ENGINE BRIGGS & STRATTON - MODEL NUMBER 281707, TYPE NUMBER 0413-01

AIR CLEANER - CARBURETOR GROUP

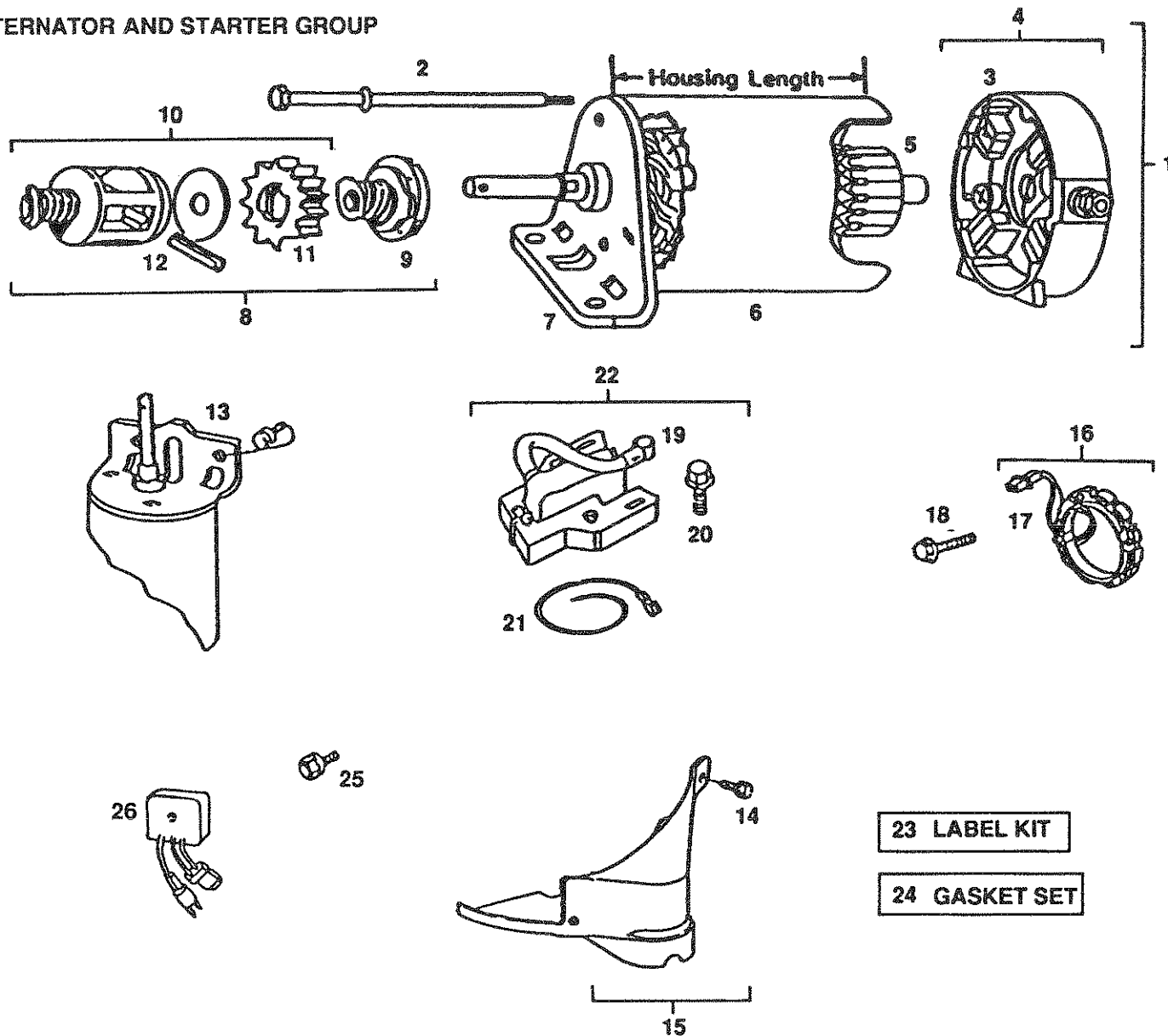
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	490854	Housing, Blower	37	390684	Shaft and Lever, Choke
2	93158	Screw, Blower Housing Mounting Sem	38	211960	Venturi, Carburetor
3	93705	Screw, Hex Hd.	39	91920	Screw, Machine Fil Hd. 8-32 x 5/8"
4	223752	Guard, Flywheel	40	26157	Spring, Throttle Adjustment
5	19203	Puller, Flywheel	41	93499	Screw, Throttle and Choke Valve Mtg. Sem
6	93535	Screw, Sem 3/4" Long	42	211712	Stop, Throttle
7	223726	Retainer, Fan	43	261116	Spring, Choke Return
8	280687	Fan, Flywheel	44	299740	Nozzle, Carburetor
9	492325	Flywheel and Ring Gear Assy. - Magneto	45	93043	Pin, Throttle Stop
10	399676	Gear, Ring (Includes Mounting Parts)	46	292681	Valve Assembly, Carburetor Idle
11	93805	Screw, Sem	47	271853	Washer, Throttle Shaft Seal (Foam)
12	222562	Screen, Flush Rotating	48	491006	Seal, Throttle Shaft
13	280848	Spacer	49	491106	Shaft and Lever, Throttle
14	92284	Nut, Hex	50	270511	Gasket, Flat Bowl
15	220865	Washer, Spring	51	299707	Float, Carburetor
16	222561	Cup, Screen Mounting	52	222433	Valve, Throttle
17	490327	Cap and Dipstick, Oil Filter	53	390818	Pump, Impulse
18	93804	Seal, Oil Filler Cap	54	93357	Screw, Carburetor
19	93572	Screw, Clamp Mounting	55	491031	Carburetor Assembly
20	223721	Clamp, Oil Filler Tube	56	221995	Bowl, Float
21	490474	Fill Group, Oil	57	231323	Screw, Nozzle
22	280741	Tube, Oil Filler	58	222014	Washer, Float Bowl
23	68838	Seal, Filler Tube	59	396568	Valve, Needle
24	94248	Stud, Air Cleaner	60	221997	Plug, Welch
25	212706	Knob, Air Cleaner	61	490473	Body Assembly, Carburetor
26	94246	Stud, Air Cleaner	62	93572	Screw, Carburetor
27	223700	Cover, Air Cleaner	63	394681	Valve, Fuel Inlet
28	231532	Nut, Air Cleaner Mtg.	64	230896	Pin, Float Hinge
29	94249	Washer, Air Cleaner	65	222311	Bracket, Carburetor
30	491519	Cartridge, Air Cleaner	66	67218	Connector, Fuel Pipe
31	490332	Body, Air Cleaner	67	394462	Repair Kit, Pump
32	270853	Gasket, Air Cleaner	68	93053	Clamp, Fuel Pipe
33	94018	Screw, Air Cleaner Sem	69	393815	Fuel Line (11" Long)
34	394698	Carburetor Overhaul Lit	70	289098	Filter, Fuel (In Fuel Line)
35	270382	Washer, Choke Shaft	71	261610	Link, Choke
36	222010	Valve, Choke	72	93621	Screw, Sem
			73	270872	Gasket, Carburetor Mounting

REPAIR PARTS

12 H.P. 36" TRACTOR - MODEL NUMBER 917.256240

ENGINE BRIGGS & STRATTON - MODEL NUMBER 281707, TYPE NUMBER 0413-01

ALTERNATOR AND STARTER GROUP



23 LABEL KIT
24 GASKET SET

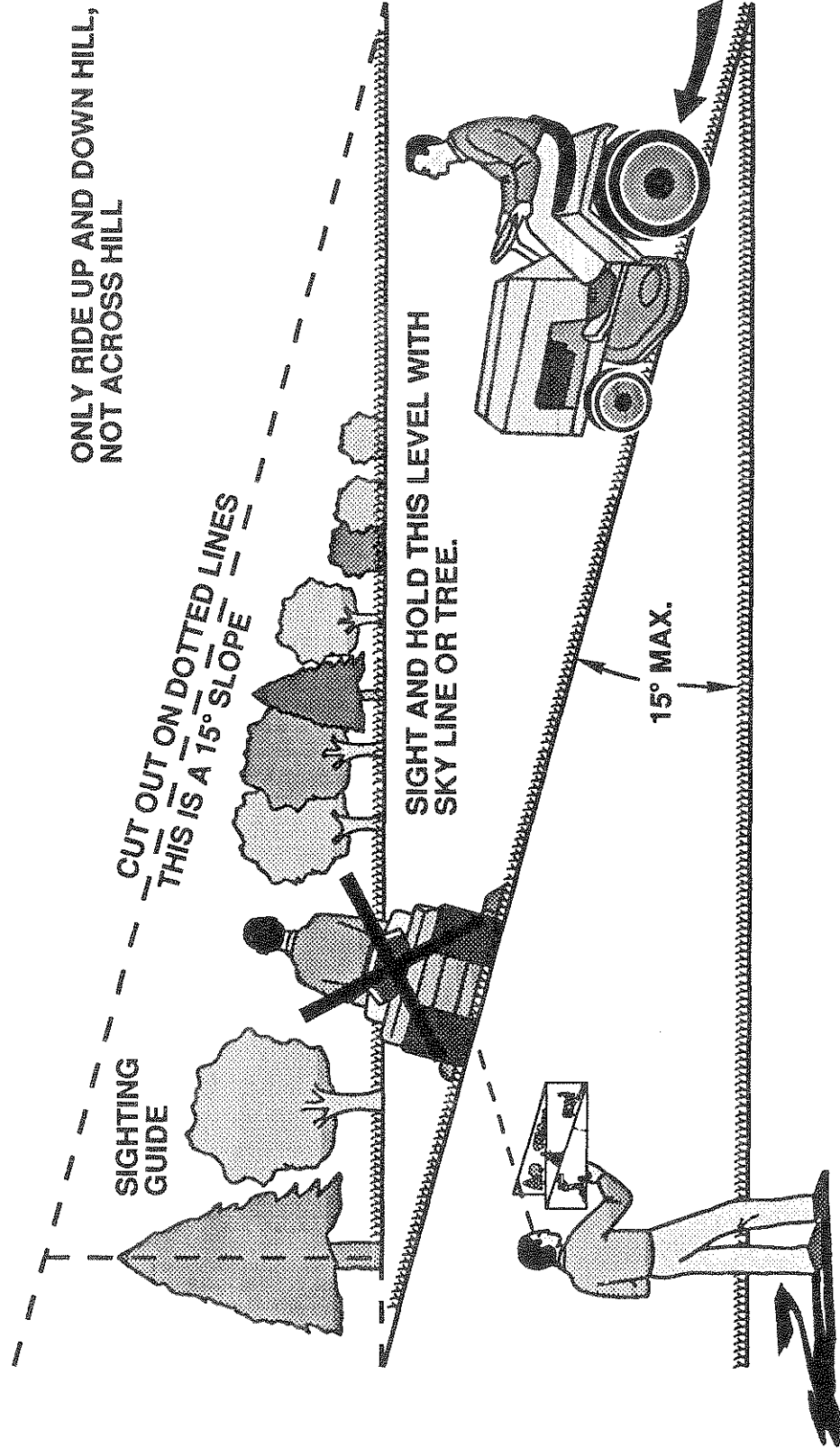
KEY NO.	PART NO.	DESCRIPTION
1	394805	Motor and Drive Assembly 12V, 3 21/32" Housing Length
2	94003	Thru Bolt Assembly
3	395538	Brush Assembly
4	395537	* End Cap Assembly Commutator
5	390837	Armature Assembly
6	393825	Housing Assembly
7	394857	Drive End Cap Assembly
8	490421	Drive Assembly
9	398003	Clutch Assembly
10	490467	Retainer and Pin
11	280104	Gear
12	94288	Roll Pin
13	93535	Screw, Sem
14	93984	Screw, Sem


KEY NO.	PART NO.	DESCRIPTION
15	490324	Cover, Starter (Includes Mounting Screws)
16	392595	Stator, Alternator (Tri Circuit)
17	393537	Connector Assembly (Tri Circuit)
18	393362	Screw, Sem
19	221798	Terminal, Ignition
20	93381	Screw, Armature Mounting Sem
21	398808	Wire, Ground
22	492341	Armature, Magneto
23	491255	Decal, Label Kit
24	490525	Gasket Set
		* Includes Brush Set
25	94137	Screw, Regulator
26	491546	Regulator, Alternator (9 amp.)

SERVICE NOTES

SERVICE NOTES

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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

SEARS
OWNER'S
MANUAL

MODEL NO.
917.256240

HOW TO ORDER
REPAIR PARTS

CRAFTSMAN®
12.0 HP IC
36" MOWER DECK
6 SPEED TRANSAXLE
LAWN RIDER

Each Tractor has its own model number. Each Engine has its own model number.

The Model Number for your Tractor will be found on the Fender under the Seat.

The model number for the Engine will be found on the Engine Blower Housing above the Spark Plug.

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- PRODUCT - LAWN RIDER
- MODEL NUMBER - 917.256240
- ENGINE MODEL NUMBER -281707- TYPE NUMBER - 0413-01
- PART NUMBER
- PART DESCRIPTION

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

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