

# LT 120

**Owner's Manual**



# SAFETY RULES

## Safe Operation Practices for Ride-On Mowers



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

### I. GENERAL OPERATION

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

### II. SLOPE OPERATION

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

#### DO:

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

#### DO NOT:

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

### III. CHILDREN

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

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

### IV. SERVICE

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



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



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



## WARNING



**The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.**

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

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

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

MODEL NUMBER	LT120
SERIAL NUMBER	_____
DATE OF PURCHASE	_____
THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A PLATE UNDER THE SEAT.	
YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.	

### CUSTOMER RESPONSIBILITIES

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your tractor.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this owner's manual.

### PRODUCT SPECIFICATIONS

HORSEPOWER:	12.0
GASOLINE CAPACITY AND TYPE:	2 GALLONS UNLEADED REGULAR
OIL TYPE (API-SF/SG):	SAE 30 (above 32°F) SAE 5W-30 (below 32°F)
OIL CAPACITY:	3.0 PINTS
SPARK PLUG: (GAP: .030")	CHAMPION RJ19LM
VALVE CLEARANCE:	INTAKE: .005" - .007" EXHAUST: .009" - .011"
GROUND SPEED (MPH):	FORWARD: 1st 1.0 2nd 2.1 3rd 3.1 4th 3.1 5th 4.0 6th 5.1 REVERSE: 1.6
TIRE PRESSURE:	FRONT: 14 PSI REAR: 12 PSI
CHARGING SYSTEM:	3 AMPS BATTERY 5 AMPS HEADLIGHTS
BATTERY:	AMP/HR: 25 MIN. CCA: 190 CASE SIZE: U1R
BLADE BOLT TORQUE:	30-35 FT. LBS.

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

A spark arrester for the muffler is available through your nearest authorized service center/department (See REPAIR PARTS section of this manual).

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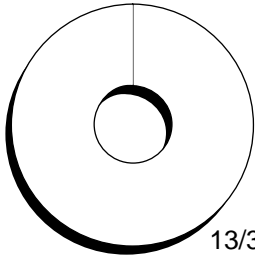
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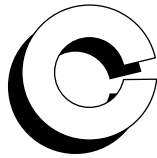
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# CONTENTS OF HARDWARE PACK

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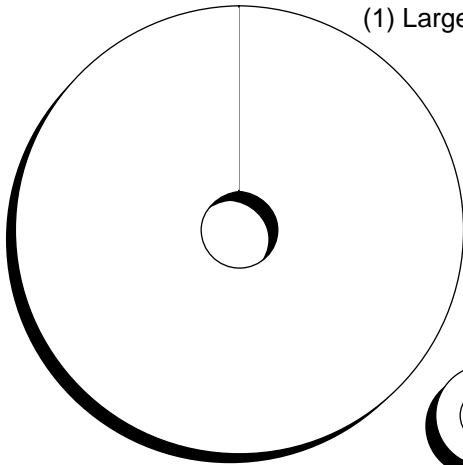
(1) Washer  
13/32 x 1-1/4 x 16 Gauge



(1) Lock Washer 3/8

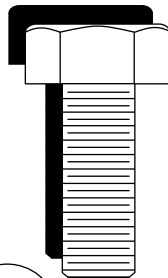


(1) Wing Nut 3/8

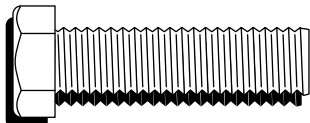


(1) Large Flat Washer

(1) Hex Bolt  
3/8-16 x 1



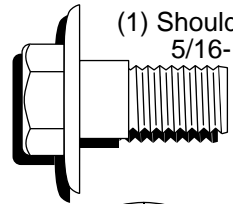
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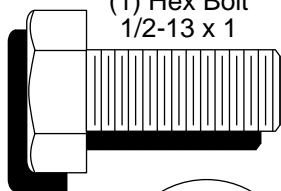
(1) Hex Bolt 5/16-18 x 1-1/4



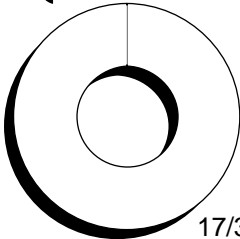
(1) Locknut 5/16-18



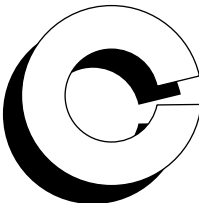
(1) Shoulder Bolt  
5/16-18



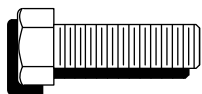
(1) Hex Bolt  
1/2-13 x 1



(1) Lock Washer 1/2



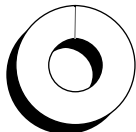
(1) Washer  
17/32 x 1-3/16 x 12 Gauge



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



(2) Hex Nuts  
1/4-20

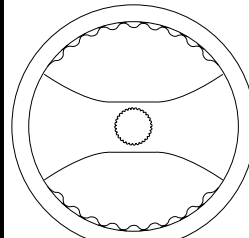


(2) Washers 9/32 x 5/8 x 16 Ga.

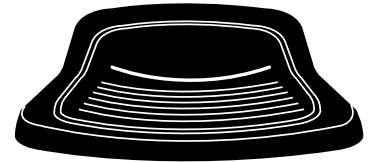


(2) Lock Washers 1/4

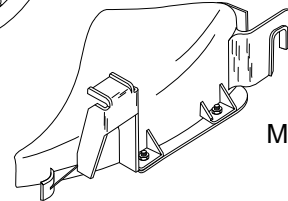
## Parts packed separately in carton



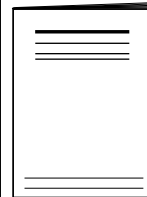
Steering Wheel



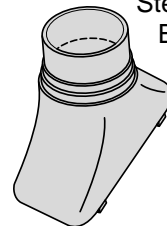
Seat



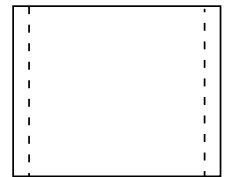
Mulcher Plate



Manual

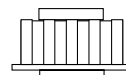


Steering Boot

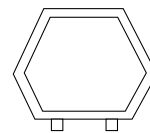


Parts Bag

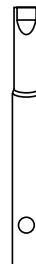
## Parts bag contents not shown full size



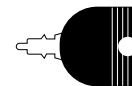
Steering Wheel Adapter



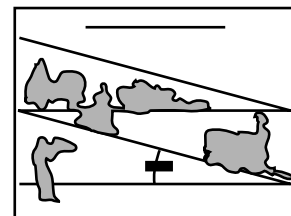
Steering Wheel Insert



Steering Extension Shaft



(2) Keys



Slope Sheet

# ASSEMBLY

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

## TOOLS REQUIRED FOR ASSEMBLY

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

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

When right or left hand is mentioned in this manual, it means when you are in the operating position (seated behind the steering wheel).

## TO REMOVE TRACTOR FROM CARTON

### UNPACK CARTON

- Remove all accessible loose parts and parts cartons from carton (See page 5).
- Cut, from top to bottom, along lines on all four corners of carton, and lay panels flat.
- Check for any additional loose parts or cartons and remove.

## BEFORE ROLLING TRACTOR OFF SKID

### ATTACH STEERING WHEEL (See Fig. 1)

#### ASSEMBLE EXTENSION SHAFT AND BOOT

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

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

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

#### INSTALL STEERING WHEEL

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

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

### TO ROLL TRACTOR OFF SKID (See Operation section for location and function of controls)

- Press lift lever plunger and raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.

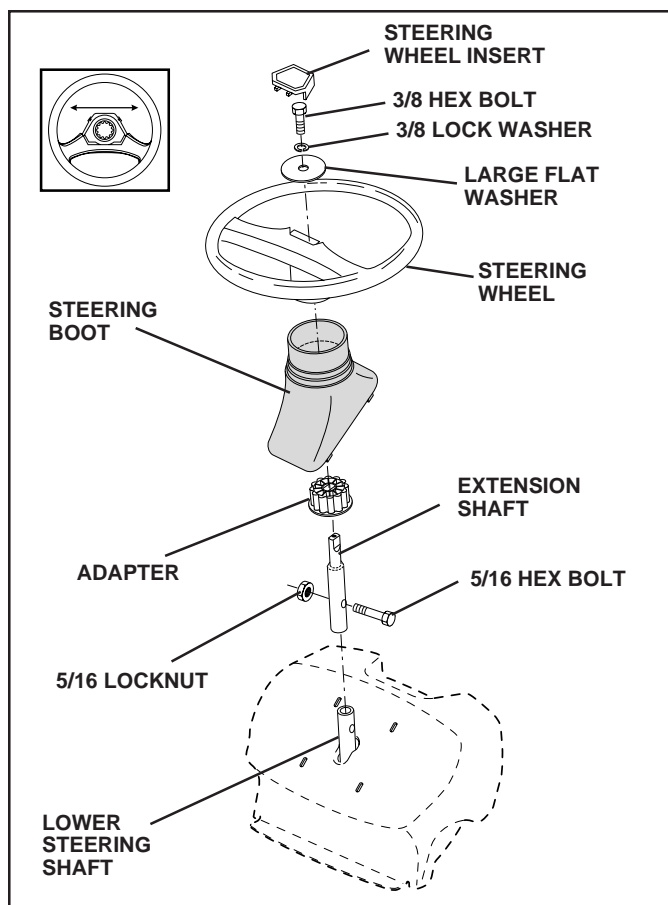


FIG. 1

- Place gearshift lever in neutral (N) position.
- Roll tractor backwards off skid.
- Remove banding holding discharge guard up against tractor.

## HOW TO SET UP YOUR TRACTOR

### CONNECT BATTERY (See Figs. 2 and 3)



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

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

- Remove cardboard packing from seat pan and lift seat pan to raised position.
- Open battery box door.
- Remove terminal protective caps and discard.
- If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps.



# ASSEMBLY

- First connect RED battery cable to positive (+) terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Close battery box door.

Open battery box door for:

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

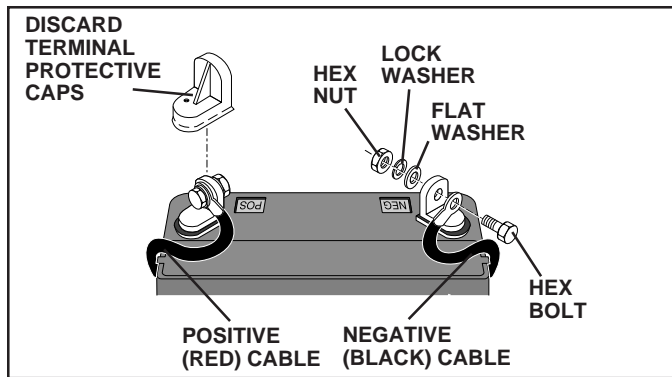


FIG. 2

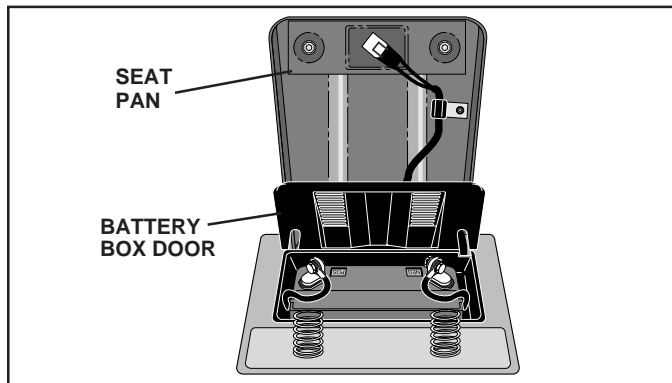


FIG. 3

## INSTALL SEAT (See Fig. 4)

Adjust seat before tightening adjustment bolt.

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

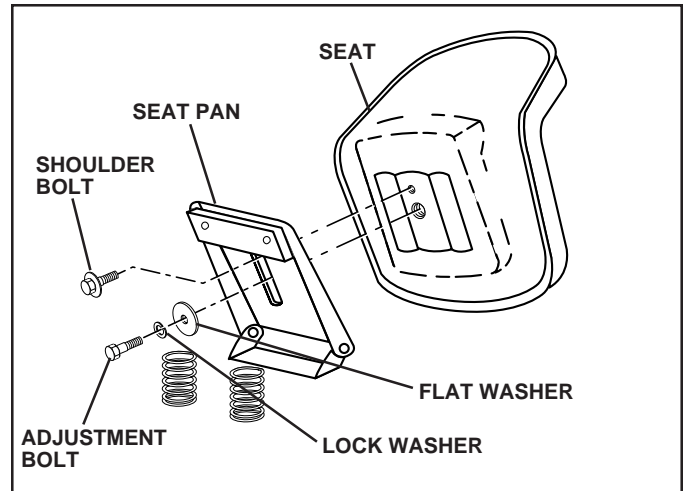


FIG. 4

## INSTALL MULCHER PLATE (See Figs. 5 and 6)



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

- ∂ Raise and hold deflector shield in the upright position.
- Σ Position alignment cup over rear baffle.
- Π Pivot mulcher plate forward and hook on mounting bolt. Be sure hang tab hooks top of deck opening.
- π Assemble flat washer, lock washer and wing nut to mounting bolt and tighten securely.

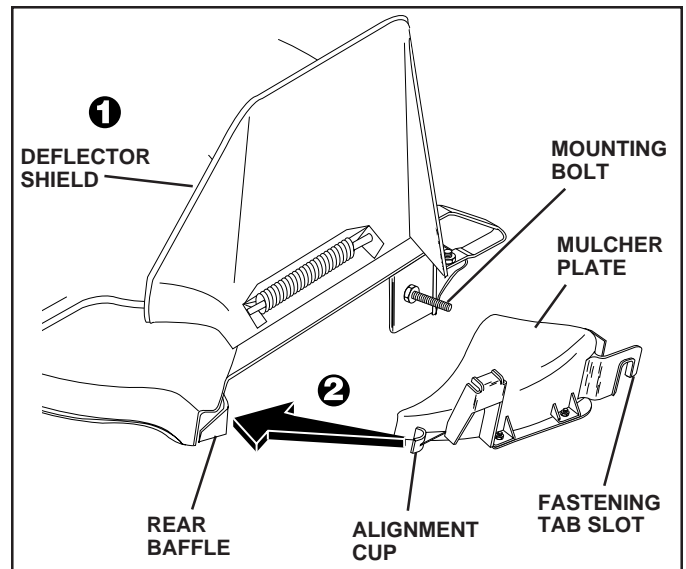


FIG. 5

# ASSEMBLY

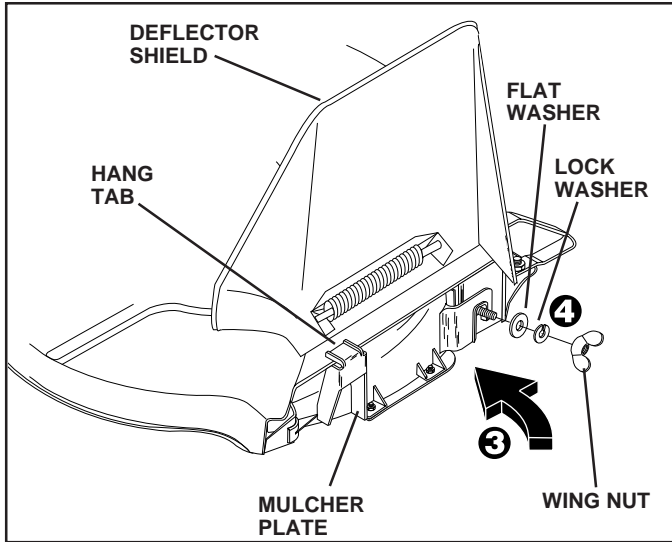


FIG. 6

## TO CONVERT TO BAGGING OR DISCHARGING

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

**NOTE:** If discharging or bagging results are unsatisfactory with mulcher blades on mower, remove the mulcher blades and install high performance discharging blades, which are available at an authorized service center/department. (See MOWER in the Repair Parts section of this manual).

## CHECK TIRE PRESSURE

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

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

## CHECK DECK LEVELNESS

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

## CHECK FOR PROPER POSITION OF ALL BELTS

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

## CHECK BRAKE SYSTEM

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

## ✓ CHECKLIST

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

*PLEASE REVIEW THE FOLLOWING CHECKLIST:*

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

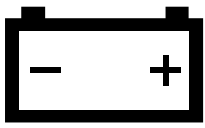
*WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS:*

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



# OPERATION

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



BATTERY



CAUTION OR WARNING



REVERSE



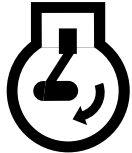
FORWARD



FAST



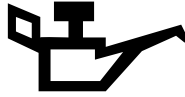
SLOW



ENGINE ON



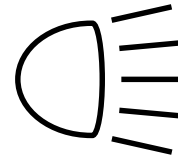
ENGINE OFF



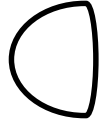
OIL PRESSURE



CLUTCH



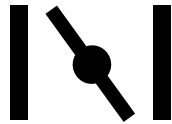
LIGHTS ON



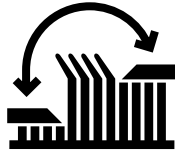
LIGHTS OFF



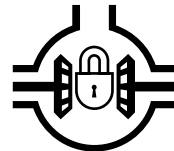
FUEL



CHOKE



MOWER HEIGHT



DIFFERENTIAL LOCK



PARKING BRAKE LOCKED



UNLOCKED



MOWER LIFT

**R**

REVERSE

**N**

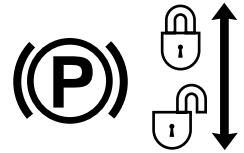
NEUTRAL

**H**

HIGH

**L**

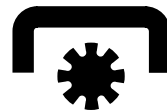
LOW



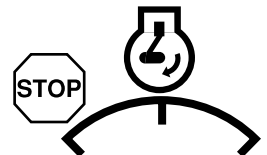
PARKING BRAKE



ATTACHMENT CLUTCH ENGAGED



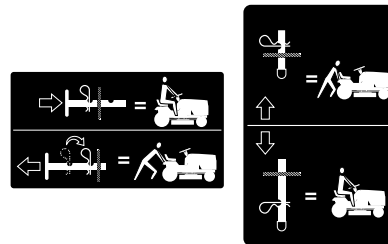
ATTACHMENT CLUTCH DISENGAGED



IGNITION



DANGER, KEEP HANDS AND FEET AWAY



HYDROSTATIC FREE WHEEL  
(Hydro Models only)

# OPERATION

## KNOW YOUR TRACTOR

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

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

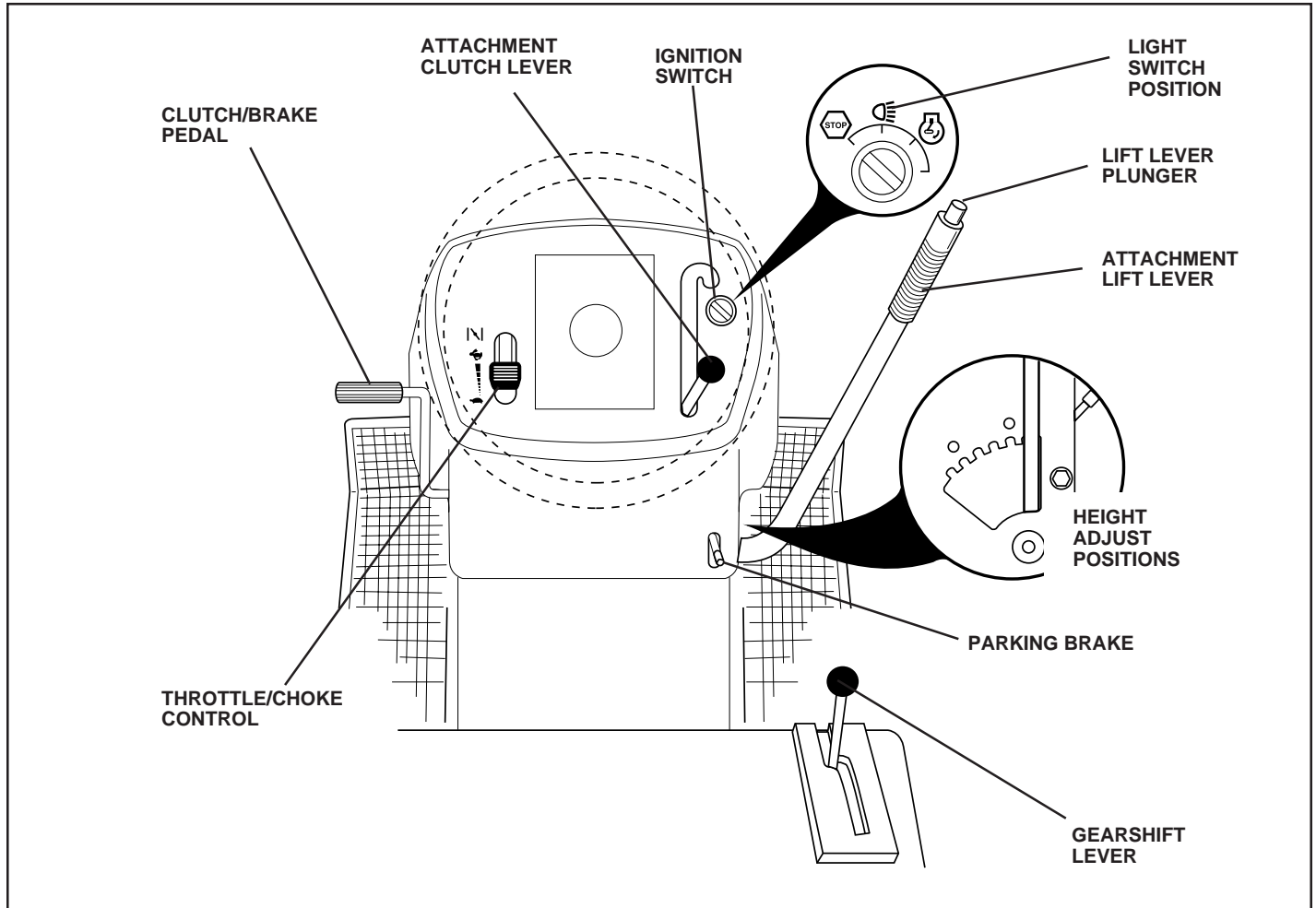


FIG. 7

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

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

**LIGHT SWITCH POSITION:** Turns the headlights on.

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

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

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

**GEARSHIFT LEVER:** Selects the speed and direction of tractor.

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

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

**IGNITION SWITCH:** Used for starting and stopping the engine.

# OPERATION



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

## HOW TO USE YOUR TRACTOR

### TO SET PARKING BRAKE (See Fig. 8)

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

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

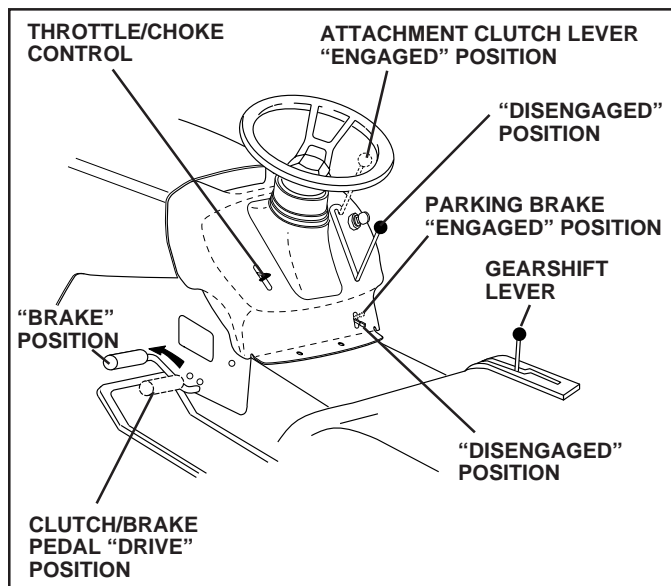


FIG. 8

### STOPPING (See Fig. 8)

#### MOWER BLADES -

- Move attachment clutch lever to "DISENGAGED" position.

#### GROUND DRIVE -

- Depress clutch/brake pedal into full "BRAKE" position.
- Move gearshift lever to neutral (N) position.

#### ENGINE -

- Move throttle control to slow (🐢) position.

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

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

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



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

### TO USE THROTTLE CONTROL (See Fig. 8)

Always operate engine at full throttle.

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

### TO MOVE FORWARD AND BACKWARD (See Fig. 8)

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

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

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

### TO ADJUST MOWER CUTTING HEIGHT (See Fig. 8)

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

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

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

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

# OPERATION

## TO OPERATE MOWER (See Fig. 9)

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

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



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

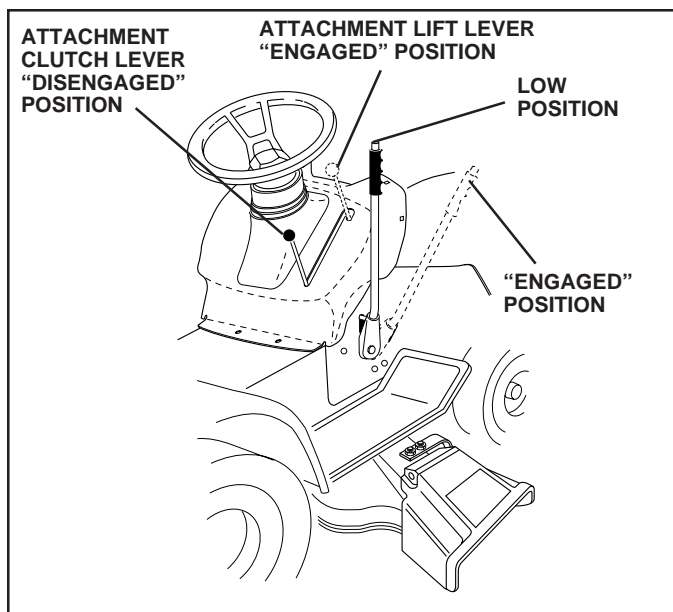


FIG. 9

## TO OPERATE ON HILLS



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

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

## TO TRANSPORT

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

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

## BEFORE STARTING THE ENGINE

### CHECK ENGINE OIL LEVEL (See Fig. 14)

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

### ADD GASOLINE

- Fill fuel tank. Use fresh, clean, regular unleaded gasoline with a minimum of 87 octane. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Do not mix oil with gasoline. Purchase fuel in quantities that can be used within 30 days to assure fuel freshness.

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

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



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

## TO START ENGINE (See Fig. 7)

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

# OPERATION

- Depress clutch/brake pedal and set parking brake.
- Place gear shift lever in neutral (N) position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control to choke (| \ |) position.

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

- Insert key into ignition and turn key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If the engine does not start after several attempts, move throttle control to fast (↻) position, wait a few minutes and try again. If engine still does not start, move the throttle control back to the choke (| \ |) position and retry.

## WARM WEATHER STARTING (50° F and above)

- When engine starts, move the throttle control to the fast (↻) position.
- The attachments and ground drive can now be used. If the engine does not accept the load, restart the engine and allow it to warm up for one minute using the choke as described above.

## COLD WEATHER STARTING ( 50° F and below)

- When engine starts, allow engine to run with the throttle control in the choke (| \ |) position until the engine runs roughly, then move throttle control to fast (↻) position. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.
- The attachments can also be used during the engine warm-up period.

**NOTE:** If at a high altitude (above 3000 feet) or in cold temperatures (below 32 F) the carburetor fuel mixture may need to be adjusted for best engine performance. See "TO ADJUST CARBURETOR" in the Service and Adjustments section of this manual.

## MOWING TIPS

- Tire chains cannot be used when the mower housing is attached to tractor.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished (See Fig. 10).
- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.

- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

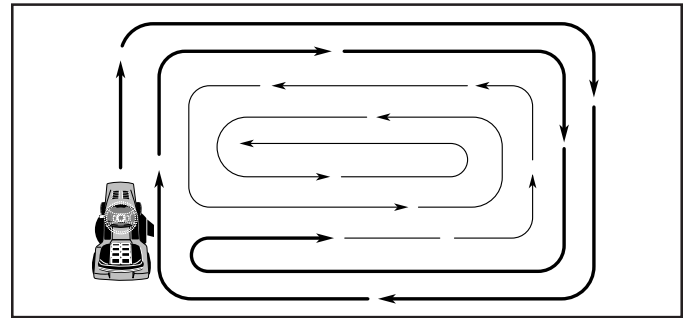


FIG. 10

## MULCHING MOWING TIPS

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

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

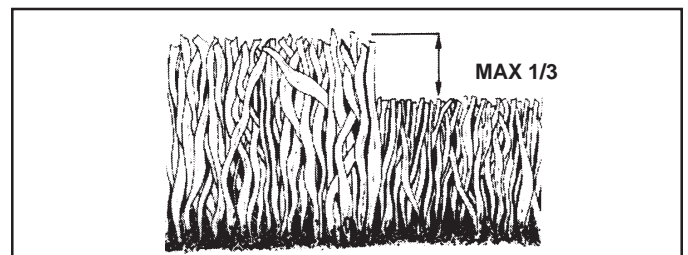


FIG. 11



# CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE FILL IN DATES AS YOU COMPLETE REGULAR SERVICE		SERVICE DATES																
		BEFORE EACH USE	FIRST 2 HOURS	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY SEASON	BEFORE STORAGE									
TRACTOR	Check Brake Operation	✓		✓														
	Check Tire Pressure	✓		✓														
	Check for Loose Fasteners	✓						✓ <sub>7</sub>		✓								
	Sharpen/Replace Mower Blades					✓ <sub>4</sub>												
	Lubrication Chart					✓				✓								
	Check Battery Level/Recharge					✓ <sub>6</sub>												
	Clean Battery and Terminals					✓				✓								
	Check Transaxle Cooling					✓												
	Adjust Blade Belt(s) Tension								✓ <sub>5</sub>									
	Adjust Motion Drive Belt(s) Tension								✓ <sub>5</sub>									
ENGINE	Check Engine Oil Level	✓		✓														
	Change Engine Oil		✓		✓ <sub>1,2,3</sub>					✓								
	Clean Air Filter				✓ <sub>2</sub>													
	Clean Air Screen				✓ <sub>2</sub>													
	Inspect Muffler/Spark Arrester						✓											
	Replace Oil Filter (If equipped)								✓ <sub>1,2</sub>									
	Clean Engine Cooling Fins								✓ <sub>2</sub>									
	Replace Spark Plug								✓	✓								
	Replace Air Filter Paper Cartridge								✓ <sub>2</sub>									
	Replace Fuel Filter									✓								

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

- 5 - If equipped with adjustable system.
- 6 - Not required if equipped with maintenance-free battery.
- 7 - Tighten front axle pivot bolt to 35 ft.-lbs. maximum. Do not overtighten.

## GENERAL RECOMMENDATIONS

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

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

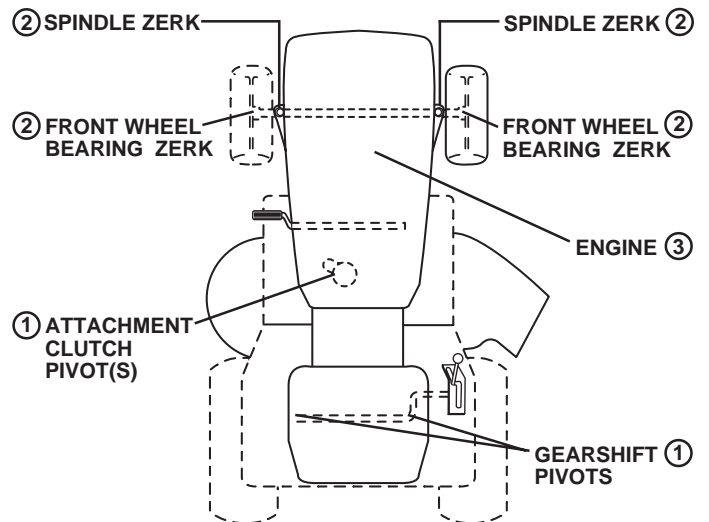
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

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

## BEFORE EACH USE

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

## LUBRICATION CHART



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

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



# CUSTOMER RESPONSIBILITIES

## TRACTOR

Always observe safety rules when performing any maintenance.

## BRAKE OPERATION

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

## TIRES

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

## BLADE CARE

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

## BLADE REMOVAL (See Fig. 12)

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

**IMPORTANT:** BLADE BOLT IS GRADE 8 HEAT TREATED.

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

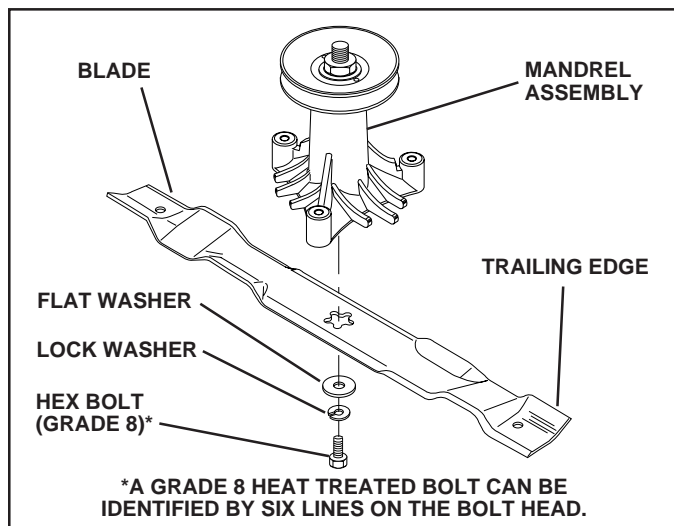


FIG. 13

## TO SHARPEN BLADE (See Fig. 13)

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

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

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

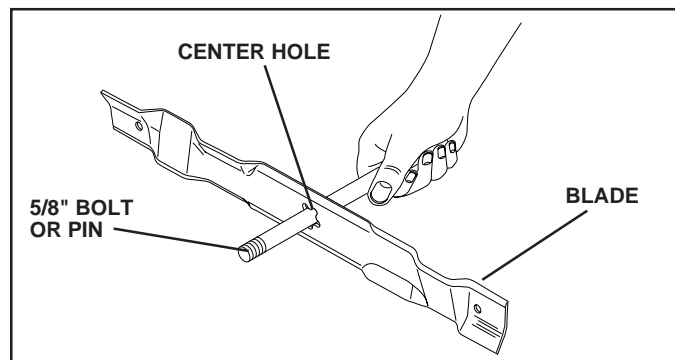


FIG. 12

## BATTERY

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

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

## TO CLEAN BATTERY AND TERMINALS

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

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

# CUSTOMER RESPONSIBILITIES

## V-BELTS

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

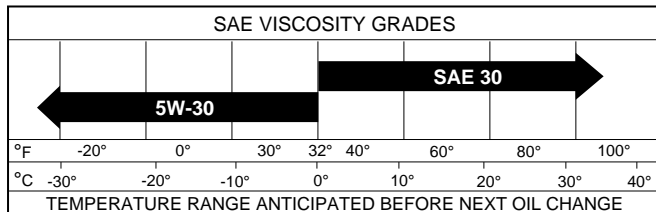
## TRANSAXLE COOLING

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

## ENGINE

### LUBRICATION

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



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

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

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

#### TO CHANGE ENGINE OIL (See Fig. 14)

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

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

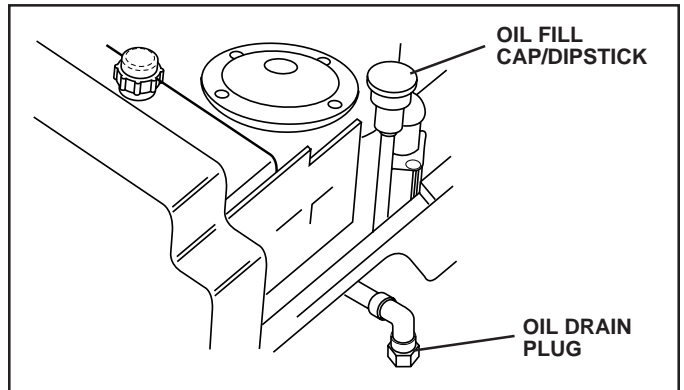


FIG. 14

## AIR FILTER (See Fig. 15)

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

Service air cleaner more often under dusty conditions.

- Remove knob(s) and cover.

#### TO SERVICE PRE-CLEANER

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

#### TO SERVICE CARTRIDGE

- Remove cartridge nut.
- Carefully remove cartridge to prevent debris from entering carburetor. Clean base carefully to prevent debris from entering carburetor.
- Clean cartridge by tapping gently on flat surface. If very dirty or damaged, replace cartridge.
- Reinstall cartridge, nut, precleaner, cover and secure with knob(s).

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

# CUSTOMER RESPONSIBILITIES

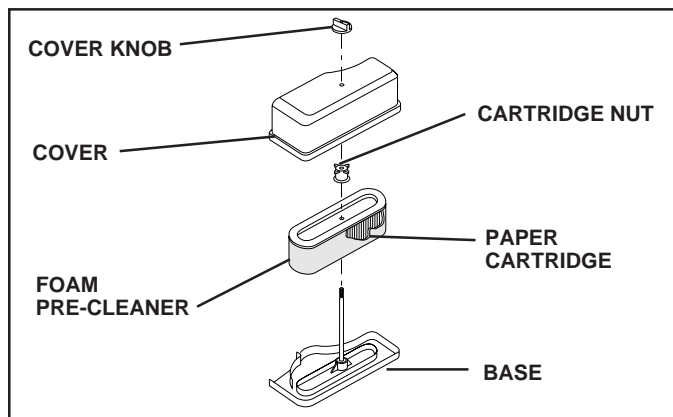


FIG. 15

## CLEAN AIR SCREEN (See Fig. 16)

Air screen must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt and stubborn dried gum fibers.

## ENGINE COOLING FINS (See Fig. 16)

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

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

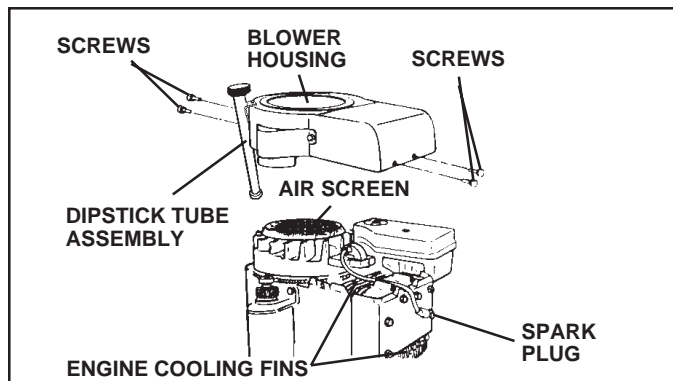


FIG. 16

## MUFFLER

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

## SPARK PLUGS

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

## IN-LINE FUEL FILTER (See Fig. 17)

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

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

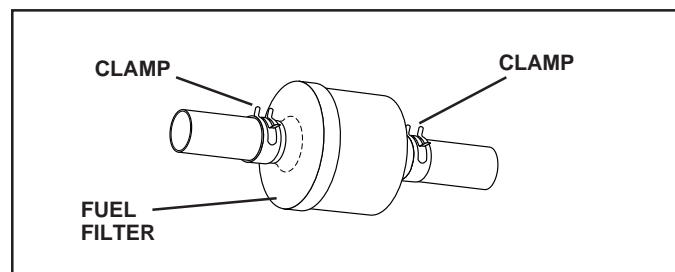


FIG. 17

## CLEANING

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

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

# SERVICE AND ADJUSTMENTS



## CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

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

## TRACTOR

### TO REMOVE MOWER (See Fig. 18)

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

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

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

### TO INSTALL MOWER (See Fig. 18)

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

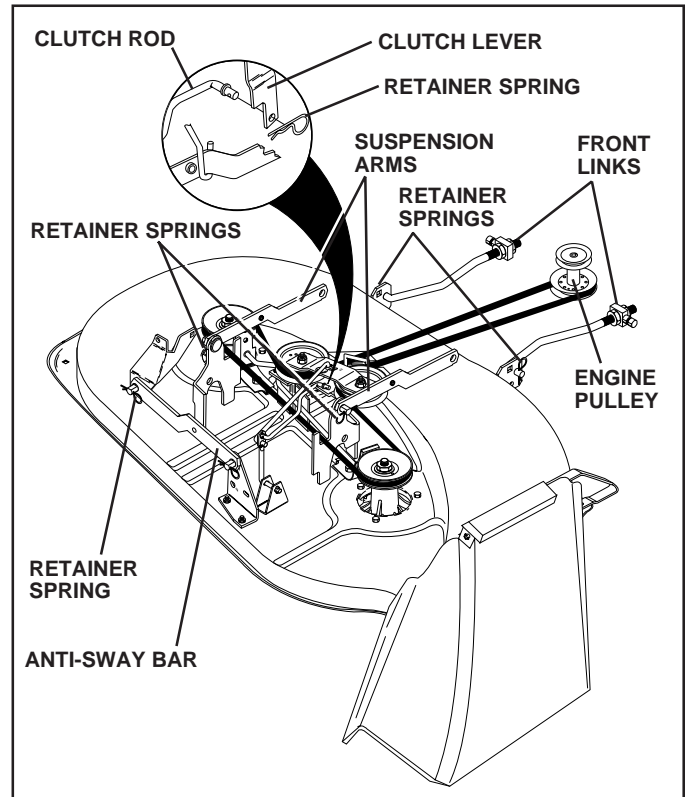


FIG. 18

# SERVICE AND ADJUSTMENTS

## TO LEVEL MOWER HOUSING

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

### SIDE-TO-SIDE ADJUSTMENT (See Figs. 19 and 20)

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

**NOTE:** Three full turns of adjustment nut will change mower height about 1/8".

- Recheck measurements after adjusting.

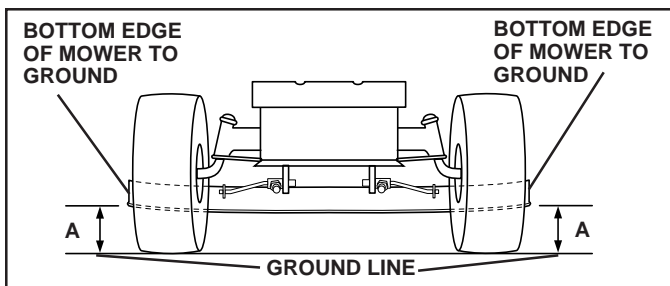


FIG. 19

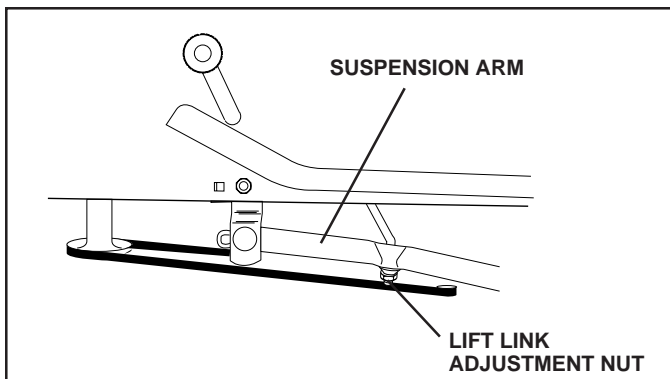


FIG. 20

### FRONT-TO-BACK ADJUSTMENT (See Figs. 21 and 22)

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

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

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

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

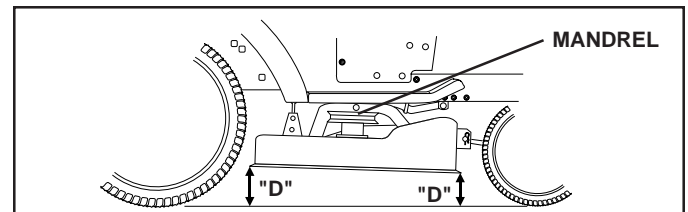


FIG. 21

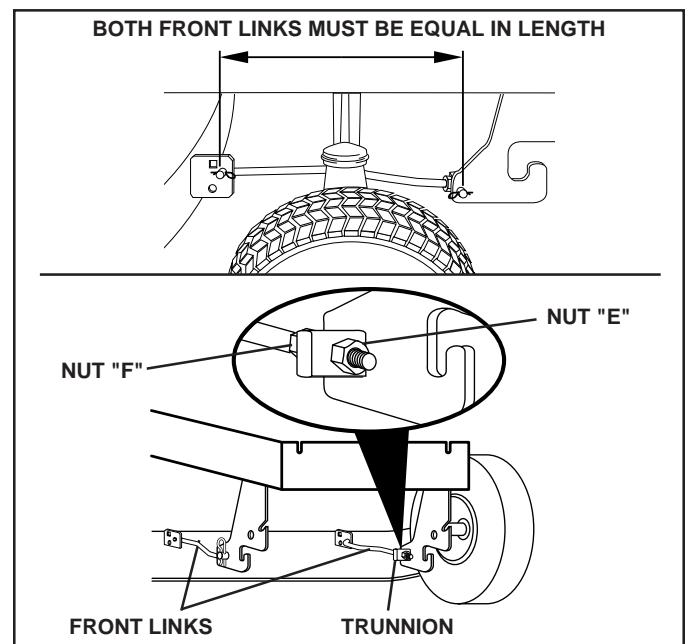


FIG. 22



# SERVICE AND ADJUSTMENTS

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

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

### BELT REMOVAL -

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

### BELT INSTALLATION -

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

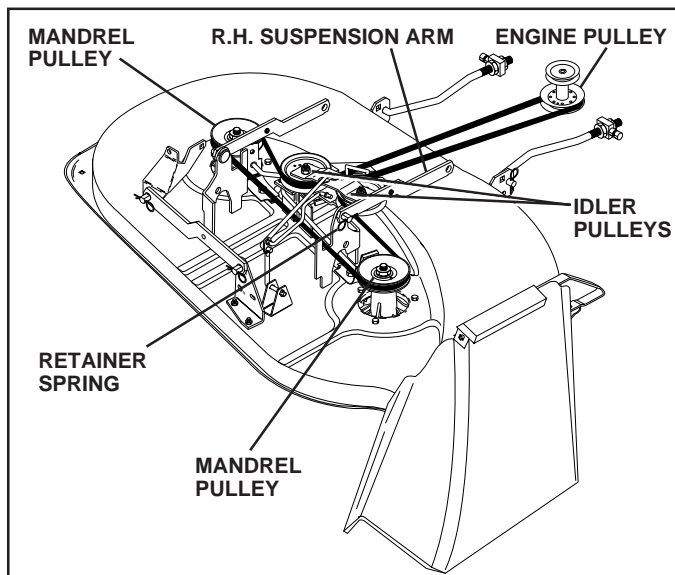


FIG. 23

## TO ADJUST BRAKE (See Fig. 24)

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

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

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

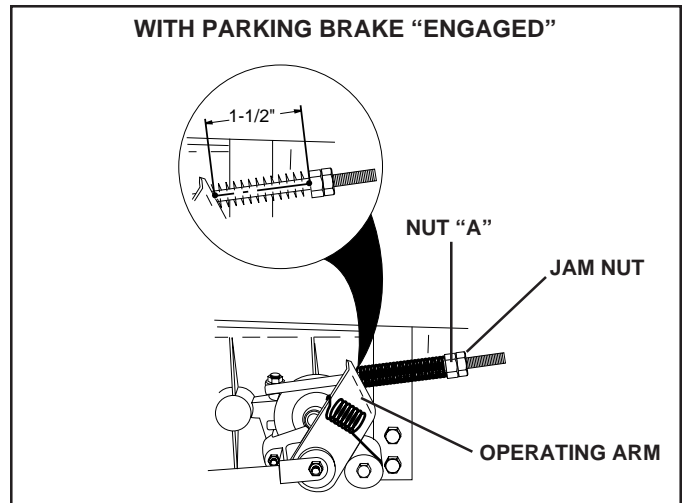


FIG. 24

## TO REPLACE MOTION DRIVE BELT (See Fig. 25)

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

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

**IMPORTANT:** MAKE SURE UPPER BELT KEEPER IS POSITIONED PROPERLY BETWEEN LOCATOR TABS.

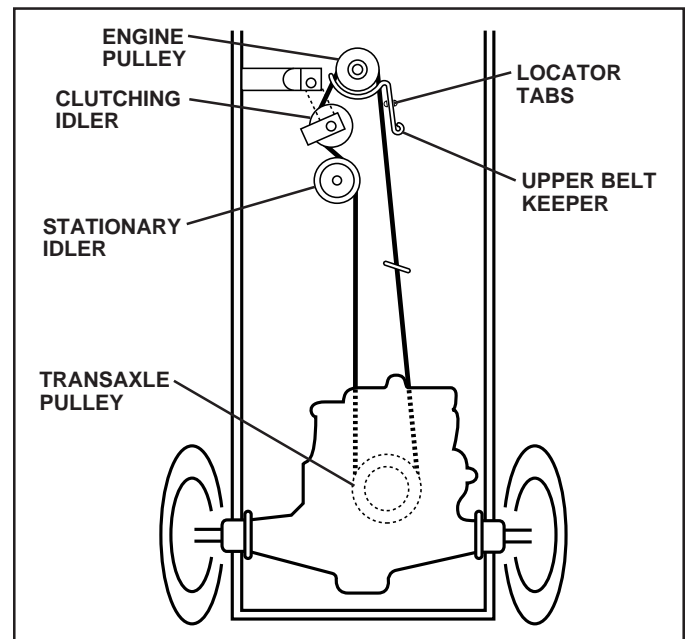


FIG. 25



# SERVICE AND ADJUSTMENTS

## TRANSAXLE SHIFTER LINKAGE AND ADJUSTMENT (See Figs. 26 and 27)

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

- Make sure transaxle is in neutral (N).
- Loosen two locknuts on tie rod.
- Turn center rod until gearshift lever falls into neutral lock gate on fender console.
- Tighten locknuts securely.

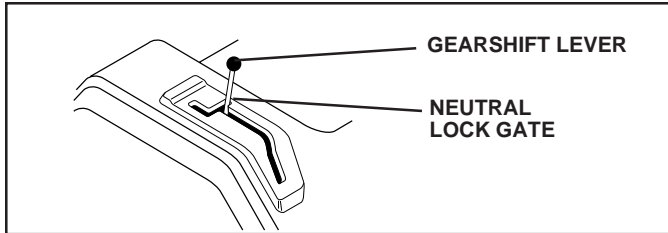


FIG. 26

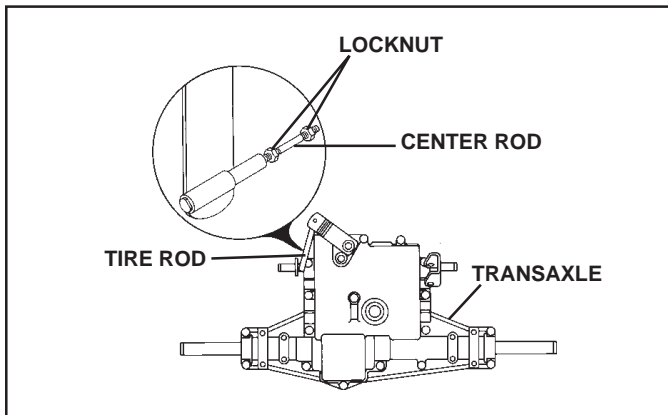


FIG. 27

## TO ADJUST STEERING WHEEL ALIGNMENT

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

## FRONT WHEEL TOE-IN/CAMBER

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

## TO REMOVE WHEEL FOR REPAIRS (See Fig. 28)

- Block up axle securely.
- Remove axle cover, retaining ring and washers to allow wheel removal (rear wheel contains a square key - Do not lose).

- Repair tire and reassemble.
- On rear wheels only: align grooves in rear wheel hub and axle. Insert square key.
- Replace washers and snap retaining ring securely in axle groove.
- Replace axle cover.

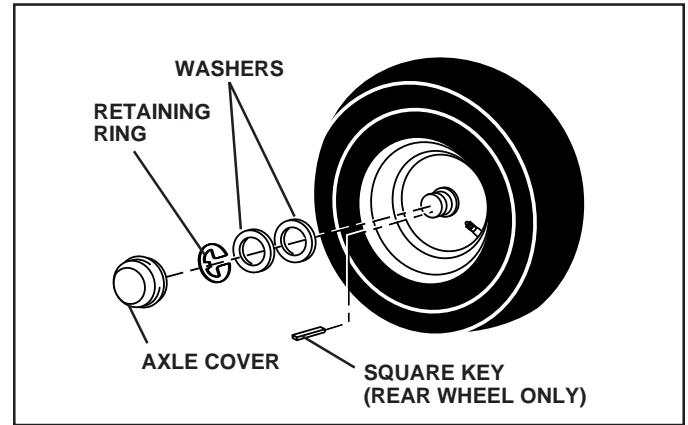


FIG. 28

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



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

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

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

## TO ATTACH JUMPER CABLES -

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

## TO REMOVE CABLES, REVERSE ORDER -

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

# SERVICE AND ADJUSTMENTS

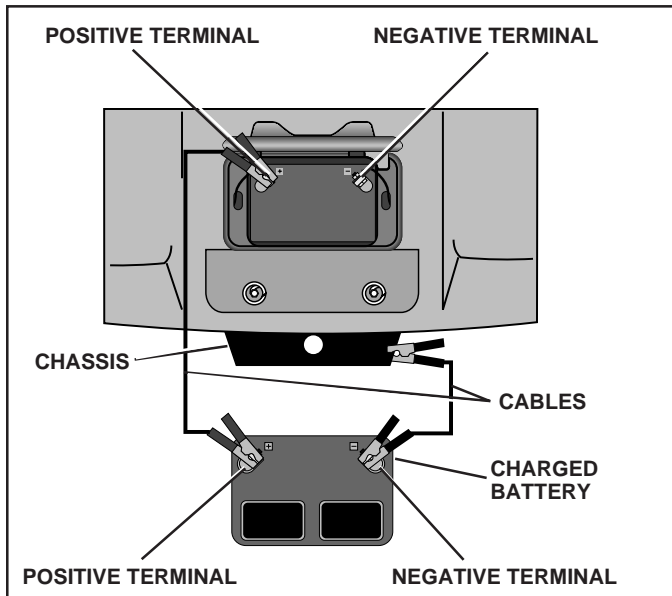


FIG. 29

## TO REPLACE HEADLIGHT BULB

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

## INTERLOCKS AND RELAYS

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

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

## TO REPLACE FUSE

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

## TO REMOVE HOOD AND GRILL ASSEMBLY (See Fig. 30)

- Raise hood.
- Unsnap headlight wire connector.
- Stand in front of tractor. Grasp hood at sides, tilt toward engine and lift off of tractor.
- To replace, reverse above procedures.

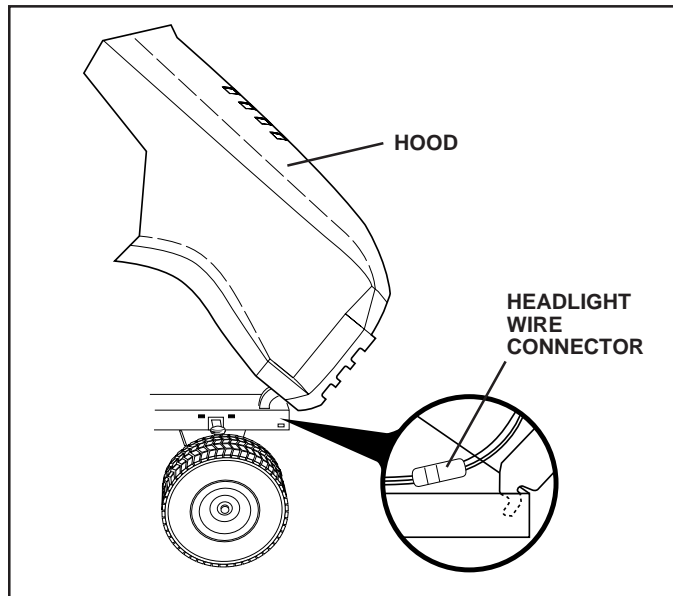


FIG. 30

## ENGINE

### TO ADJUST THROTTLE CONTROL CABLE (See Fig. 31)

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

- With engine not running, move throttle control lever from slow (S) to choke (C) position. Slowly move lever from choke (C) to fast (F) position.
- Check that holes "A" in governor control lever and hole in governor plate line-up. If holes "A" are not aligned, loosen clamp screw and move throttle cable until holes are aligned. Tighten clamp screw securely.

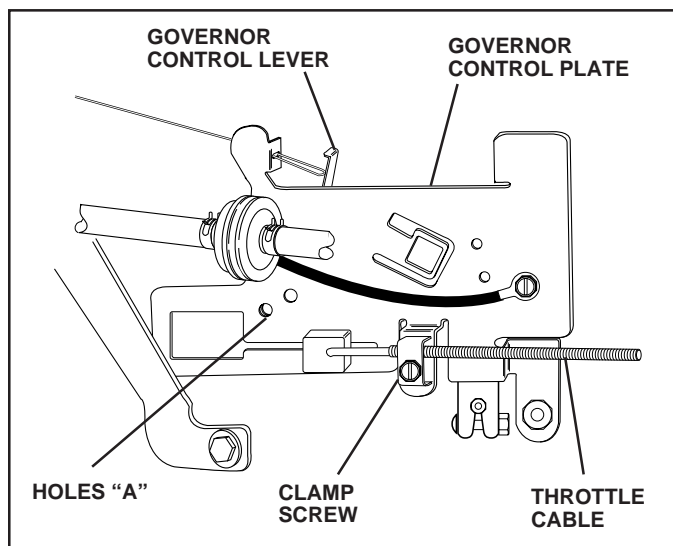


FIG. 31

# SERVICE AND ADJUSTMENTS

## TO ADJUST CARBURETOR (See Fig. 32)

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

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

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

### PRELIMINARY SETTING -

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

### FINAL SETTING -

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

### ACCELERATION TEST -

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

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

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

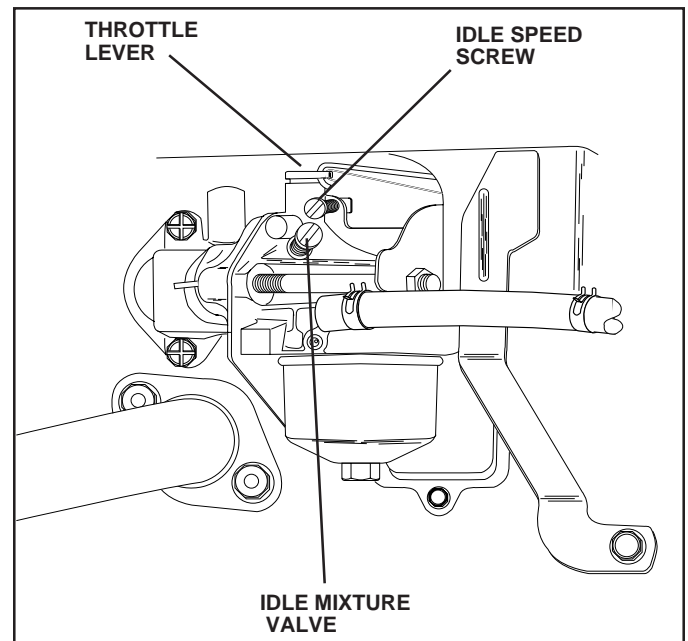


FIG. 32

# STORAGE

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



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

## TRACTOR

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

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

## BATTERY

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

## ENGINE

### FUEL SYSTEM

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

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

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

### ENGINE OIL

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

### CYLINDERS

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

## OTHER

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

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

# TROUBLESHOOTING POINTS

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

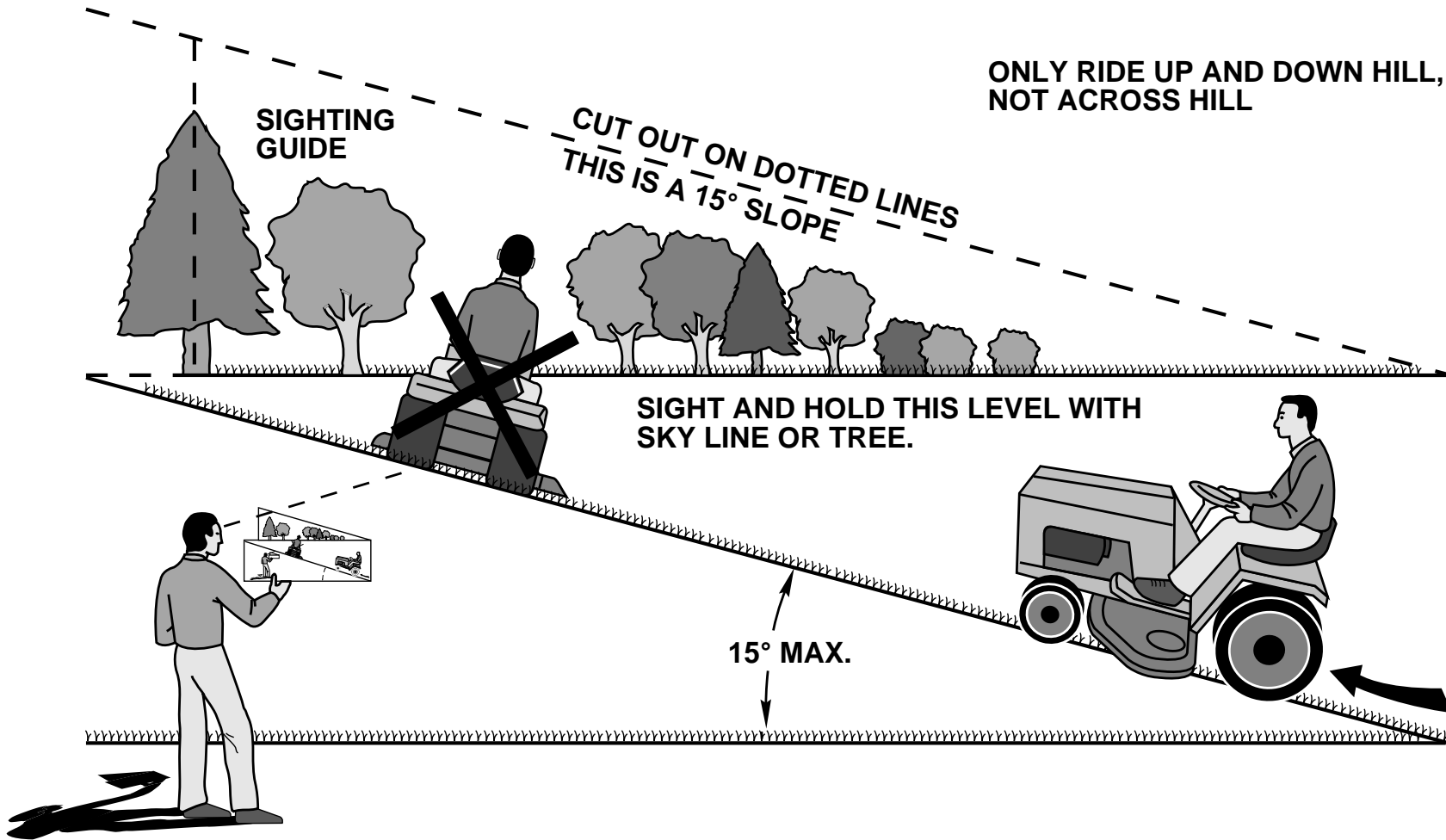
# TROUBLESHOOTING POINTS


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



# SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION

27



 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.



## WARRANTY STATEMENT

### **SECTION 1: LIMITED WARRANTY**

Husqvarna Forest & Garden Company ("Husqvarna") warrants Husqvarna product to the original purchaser to be free from defects in material and workmanship from the date of purchase for the "Warranty Period" of the product as set forth below:

**Lifetime Warranty:** All tiller tines, trimmer shafts, ignition coils and modules on hand held product.

**2 Year Warranty:** Riding lawn mowers, yard and garden tractors, walk behind mowers, tillers, trimmers, brushcutters, snow blowers, handheld blowers, hedge trimmers, and electrical products for noncommercial, nonprofessional, noninstitutional or nonincome producing use, except as herein stated.

Emission control system components necessary to comply with CARB-95 and EPA regulations, except for those components which are part of engine systems manufactured by third party engine manufacturers for which the purchaser has received a separate warranty with product information supplied at time of purchase.

**1 Year Warranty:** Chain saws, clearing saws and backpack blowers for noncommercial, nonprofessional, noninstitutional or nonincome producing use. Trimmer models 120, 125, 122, 132, 225, 232 and 235 used for commercial purposes.

**90 Day Warranty:** Any Husqvarna product used for rental, commercial, institutional, professional or income producing use except as otherwise provided herein.

**30 Day Warranty:** Husqvarna bow guide and replacement parts.

### **SECTION 2: HUSQVARNA'S OBLIGATIONS UNDER THE WARRANTY**

Husqvarna will repair or replace defective components without charge for parts or labor if a component fails because of a defect in material or workmanship during the warranty period.

### **SECTION 3: ITEMS NOT COVERED BY THIS WARRANTY**

The following items are not covered by this warranty:

- (1) Normal customer maintenance items which become worn through normal regular use, including, but not limited to, belts, blades, blade adapters, bulbs, filters, guide bars, lubricants, rewind springs, saw chain, spark plugs, starter ropes and tines;
- (2) Natural discoloration of material due to ultraviolet light;
- (3) Engine and drive systems not manufactured by Husqvarna; these items are covered by the respective manufacturer's warranty as provided in writing with the product information supplied at the time of purchase; all claims must be sent to the appropriate manufacturer;
- (4) Lawn and garden attachments are covered by a third party which gives a warranty, all claims for warranty should be sent to the manufacturer; and
- (5) Emission Control System components necessary to comply with CARB-95 and EPA regulations which are manufactured by third party engine manufacturer.

### **SECTION 4: EXCEPTIONS AND LIMITATIONS**

This warranty shall be inapplicable to defects resulting from the following:

- (1) Accident, abuse, misuse, negligence and neglect, including stale fuel, dirt, abrasives, moisture, rust, corrosion, or any adverse reaction due to incorrect storage or use habits;

- (2) Failure to operate or maintain the unit in accordance with the Owner's/Operator's manual or instruction sheet furnished by Husqvarna;
- (3) Alterations or modifications that change the intended use of the product or affects the product's performance, operation, safety, or durability, or causes the product to fail to comply with any applicable laws; or;
- (4) Additional damage to parts or components due to continued use occurring after any of the above.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. HUSQVARNA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THESE PRODUCTS EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THESE PRODUCTS IS LIMITED IN DURATION TO THE WARRANTY PERIOD AS DEFINED IN THE LIMITED WARRANTY STATEMENT. HUSQVARNA RESERVES THE RIGHT TO CHANGE OR IMPROVE THE DESIGN OF THE PRODUCT WITHOUT NOTICE, AND DOES NOT ASSUME OBLIGATION TO UPDATE PREVIOUSLY MANUFACTURED PRODUCTS.

Some states do not allow the exclusion of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### **SECTION 5: CUSTOMER RESPONSIBILITIES**

The product must exhibit reasonable care, maintenance, operation, storage and general upkeep as written in the maintenance section of the Owner's/Operator's manual. Should an operational problem or failure occur, the product should not be used, but delivered as is to an authorized Husqvarna dealer for evaluation. Proof of purchase, as explained in section 6, rests solely with the customer.

### **SECTION 6: PROCEDURE TO OBTAIN WARRANTY CONSIDERATION**

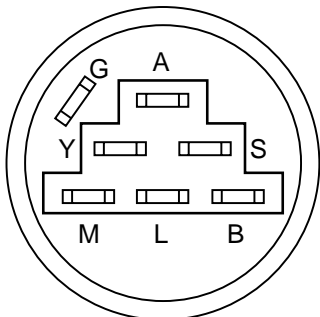
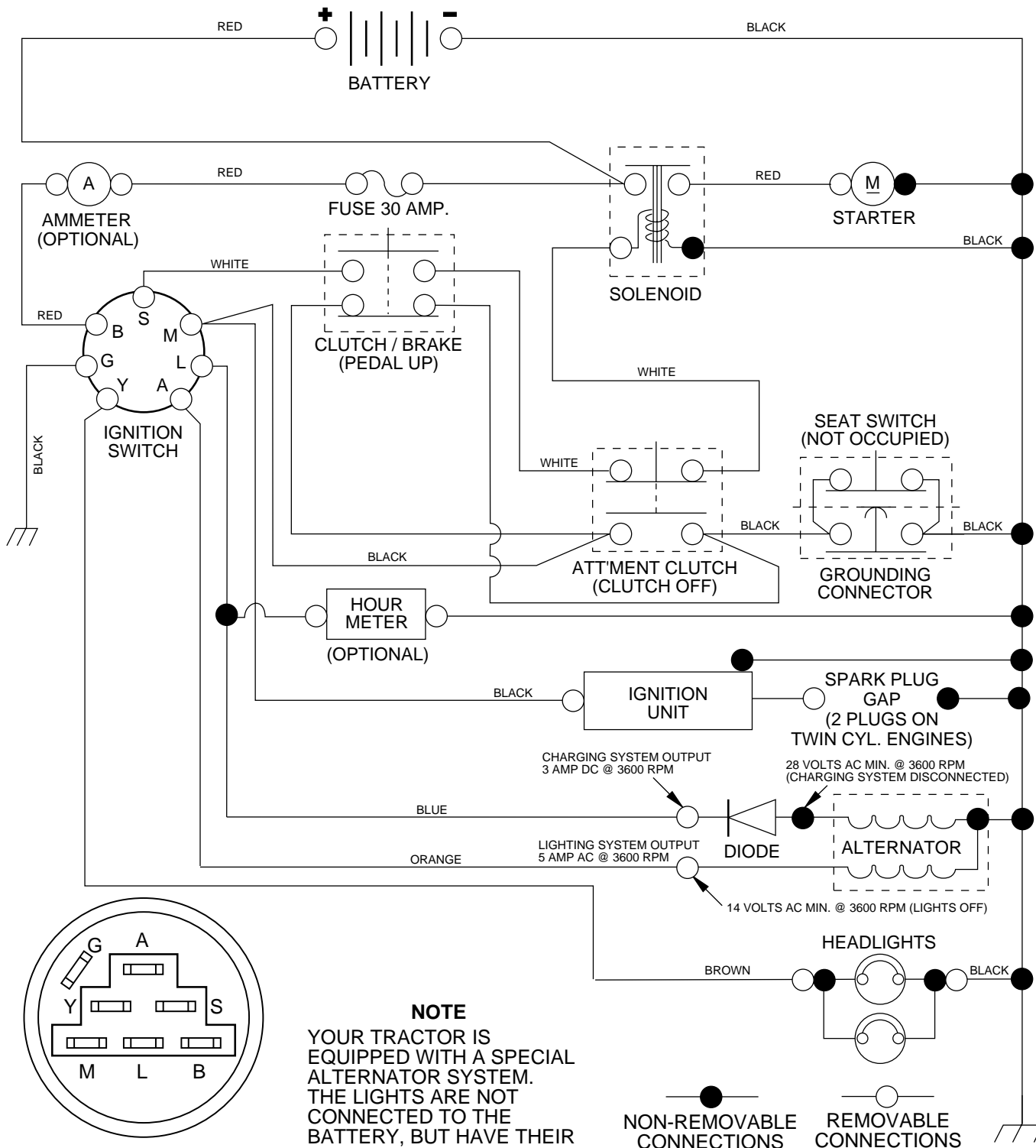
It is the Owner's and Dealer's responsibility to make certain that the Warranty Registration Card is properly filled out and mailed to Husqvarna Forest & Garden Company. This card should be mailed within ten (10) days from the date of purchase in order to confirm the warranty and to facilitate post-sale service.

Proof of purchase must be presented to the authorized Husqvarna dealer in order to obtain warranty service. This proof must include date purchased, model number, serial number, and complete name and address of the selling dealer.

To obtain the benefit of this warranty, the product believed to be defective must be delivered to an authorized Husqvarna dealer in a timely manner, no later than thirty (30) days from date of the operational problem or failure. The product must be delivered at the owner's expense. Pick-up and delivery charges are not covered by this warranty. An authorized Husqvarna dealer can be normally located through the "Yellow Pages" of the local telephone directory or by calling 1-800-HUSKY62 for a dealer in your area.

**HUSQVARNA FOREST & GARDEN COMPANY  
9006-J PERIMETER WOODS DRIVE  
CHARLOTTE, NC 28216**

**SCHEMATIC**



**IGNITION SWITCH**

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

**NOTE**

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

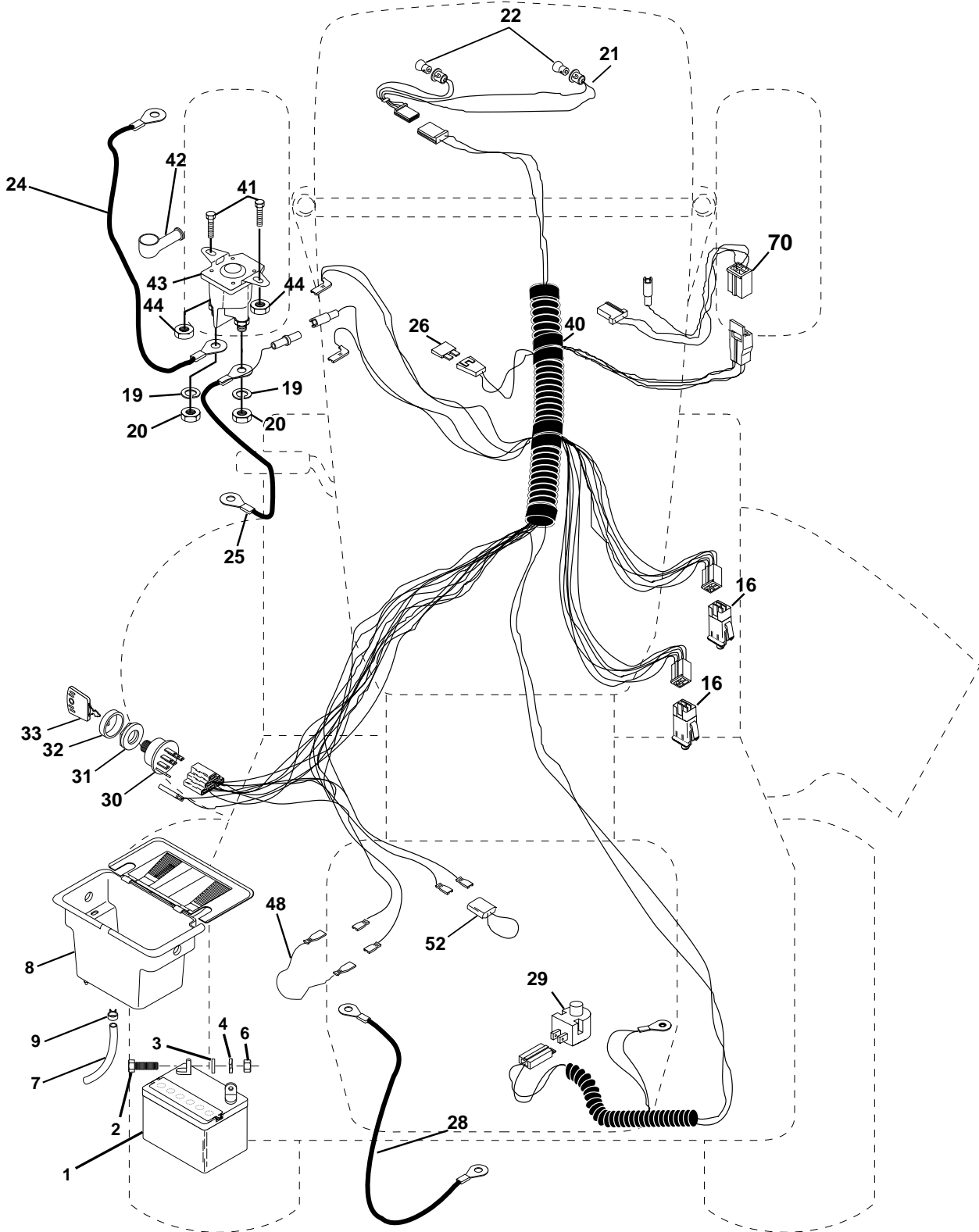
**WIRING INSULATED CLIPS**

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

# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## ELECTRICAL



# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## ELECTRICAL

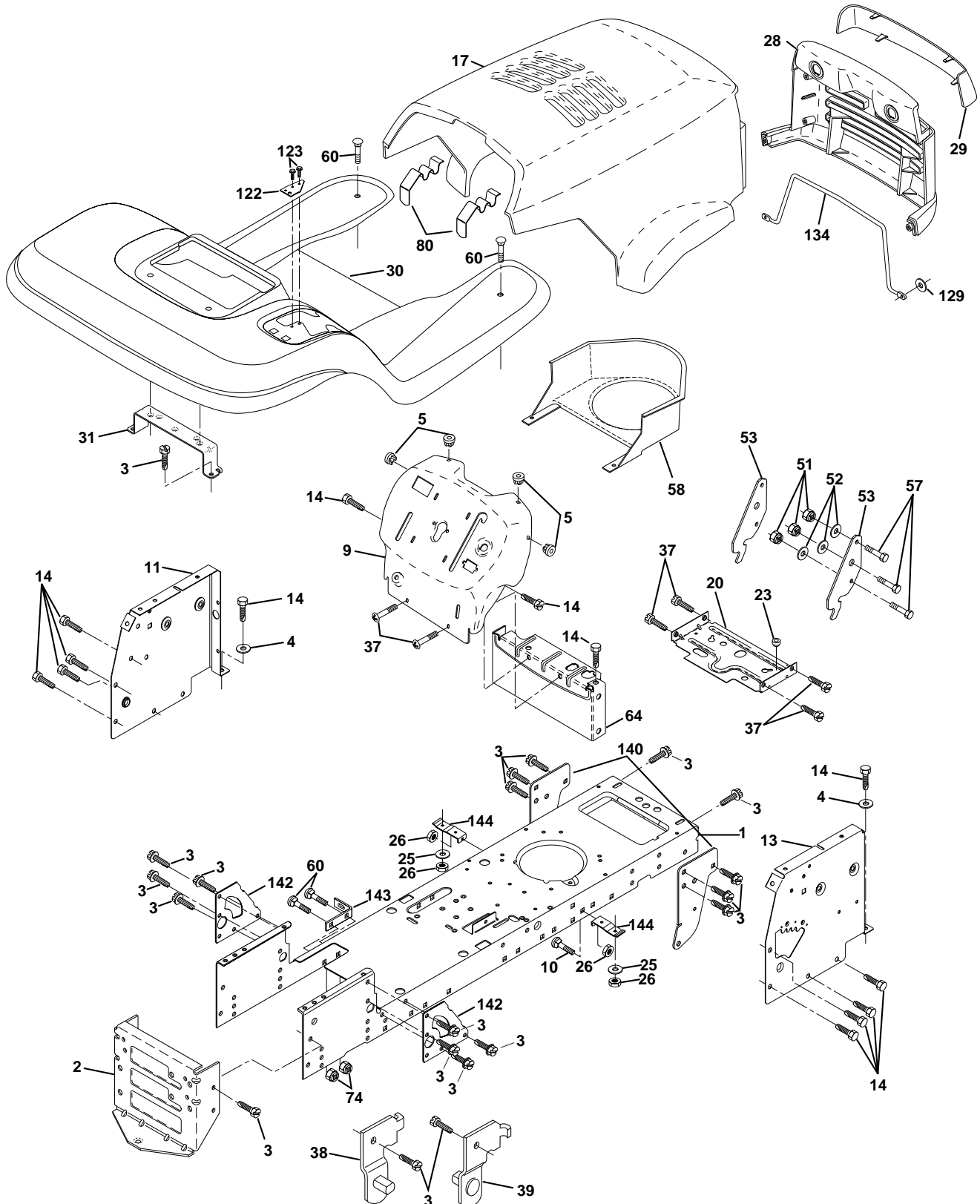
KEY NO.	PART NO.	DESCRIPTION
1	532 14 61-39	Battery 12 Volt 25 AMP
2	874 76 04-12	Bolt Hex Hd 1/4-20unc X 3/4
3	819 09 10-16	Washer 9/32 X 5/8 X 16 Ga.
4	810 04 04-00	Washer Lock Hvy Helical 1/4
6	873 22 04-00	Nut Fin Hex 1/4-20 Unc
7	532 10 92-38	Tube Plastic 12"
8	532 15 64-17	Case Battery Mech Hinge
9	532 10 95-96	Clamp Hose Olive
16	532 15 36-64	Switch Interlock Push-In
19	810 09 04-00	Washer Lock 1/4
20	873 35 04-00	Nut Jam Hex 1/4-20 Unc
21	532 13 68-50	Harness Asm Light W/4152j
22	532 00 41-52	Bulb Light #1156
24	532 12 47-80	Cable Battery 6 Ga 11" red
25	532 14 61-47	Cable Battery 6 Ga 44" red w/16 wire
26	532 10 88-24	Fuse 30 AMP Auto Green
28	532 12 47-73	Cable Ground 6 Ga 12" black
29	532 12 13-05	Switch Plunger Nc Gray
30	532 14 03-01	Switch Ign 4 pos w/lights
31	532 12 42-11	Nut Ignition
32	532 14 12-26	Cover Sw Ignition
33	532 12 21-47	Key Ign Modelled Generic
40	532 15 64-42	Harness Ign.
41	871 11 04-08	Bolt Blk Fin Hex 1/4 - 20 x 1/2
42	532 13 15-63	Cover Terminal Red
43	532 14 56-73	Solenoid
44	873 64 04-00	Nut Keps Hex 1/4-20 Unc
48	532 14 08-44	Adapter Ammeter Rectangular
52	532 14 19-40	Protection Wire Loop
70	532 14 04-13	Harness, Eng. B&S/Tec Dual

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

# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## CHASSIS AND ENCLOSURES





# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## CHASSIS AND ENCLOSURES

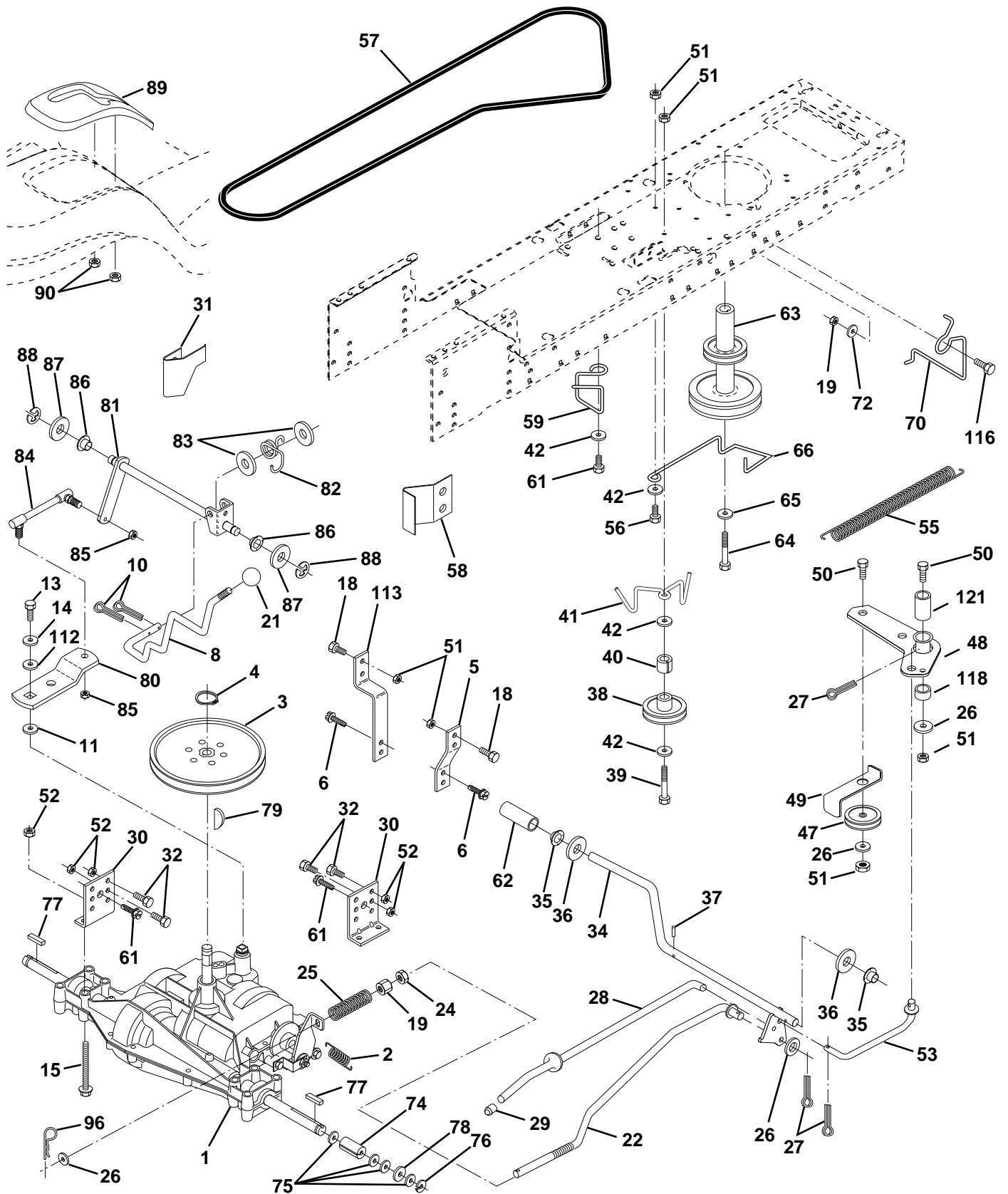
KEY NO.	PART NO.	DESCRIPTION
1	532 15 38-71	Chassis Weldment
2	532 14 03-56	Drawbar, Stretch
3	817 49 06-12	Screw Thdrol 3/8-16x3/4 Ty-tt
4	819 13 12-16	Washer 13/32 x 3/4 x 16 Ga.
5	532 15 52-72	Bumper Hood/Dash
9	532 15 72-61	Dash P/L M, N/AMM N/HM Grey
10	872 14 06-08	Bolt Carriage 3/8-16 x 1
11	532 15 59-27	Panel Dash Lh
13	532 15 72-62	Panel Dash Rh
14	817 49 06-08	Screw Thdrol 3/8-16x1/2 Ty-tt
17	532 15 60-51	Hood LT/PL Husqvarna
20	532 15 64-37	Plate Mtg Battery Fuel Tank Fr
23	532 12 40-28	Bushing
25	819 13 13-12	Washer 13/32 X 13/16 X 12 Ga
26	873 80 06-00	Nut Lock Hex W/Ins 3/8-16 Unc
28	532 14 97-76	Grille LT/PL Husqvarna
29	532 14 97-77	Lens LT/PL Husqvarna
30	532 15 64-89	Fender Footrest STLT Pnt
31	532 13 99-76	Bracket Support Fender
37	817 49 05-08	Screw Thdrol 6/16-18 x 1/2 TYT
38	532 13 98-86	Bracket, Asm. Pivot, L.H., Mower Rear
39	532 13 98-87	Bracket, Asm. Pivot, R.H., Mower Rear
51	873 80 04-00	Nut Lock Hex W/Ins 1/4-20
52	819 09 14-16	Washer 9/32 x 7/8 x 16 Ga.
53	532 15 00-67	Bracket Pnt. Pick off LT/PL Husqvarna
57	874 78 04-12	Bolt Hex 1/4-20 x 3/4
58	532 15 01-27	Air Duct Engine P/L
60	872 14 06-06	Bolt Rdhd Sqnk 3/8-16unc x 3/4
64	532 15 47-98	Dash Lower STLT
74	873 68 06-00	Nut Crownlock 3/8-16 UNC
80	532 15 58-54	Latch Hood Plm Husqvarna
129	819 09 10-16	Washer 9/32 x 5/8 x 16 Ga.
134	532 15 01-32	Rod Support Hood LT/PL Husq.
140	532 15 05-56	Bracket Chassis Front 7 Ga.
142	532 15 60-95	Plate Reinforcement STLT
143	532 15 49-66	Bracket Swaybar Chassis
144	532 15 42-07	Bracket Pnt Footrest STLT
146	532 15 43-34	Screw Torx Hd Thd 5/16-18 UN-2A
--	532 00 54-79	Plug Button

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

# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (95414002A), PRODUCT NO. 954 1400-02

## DRIVE



# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## DRIVE

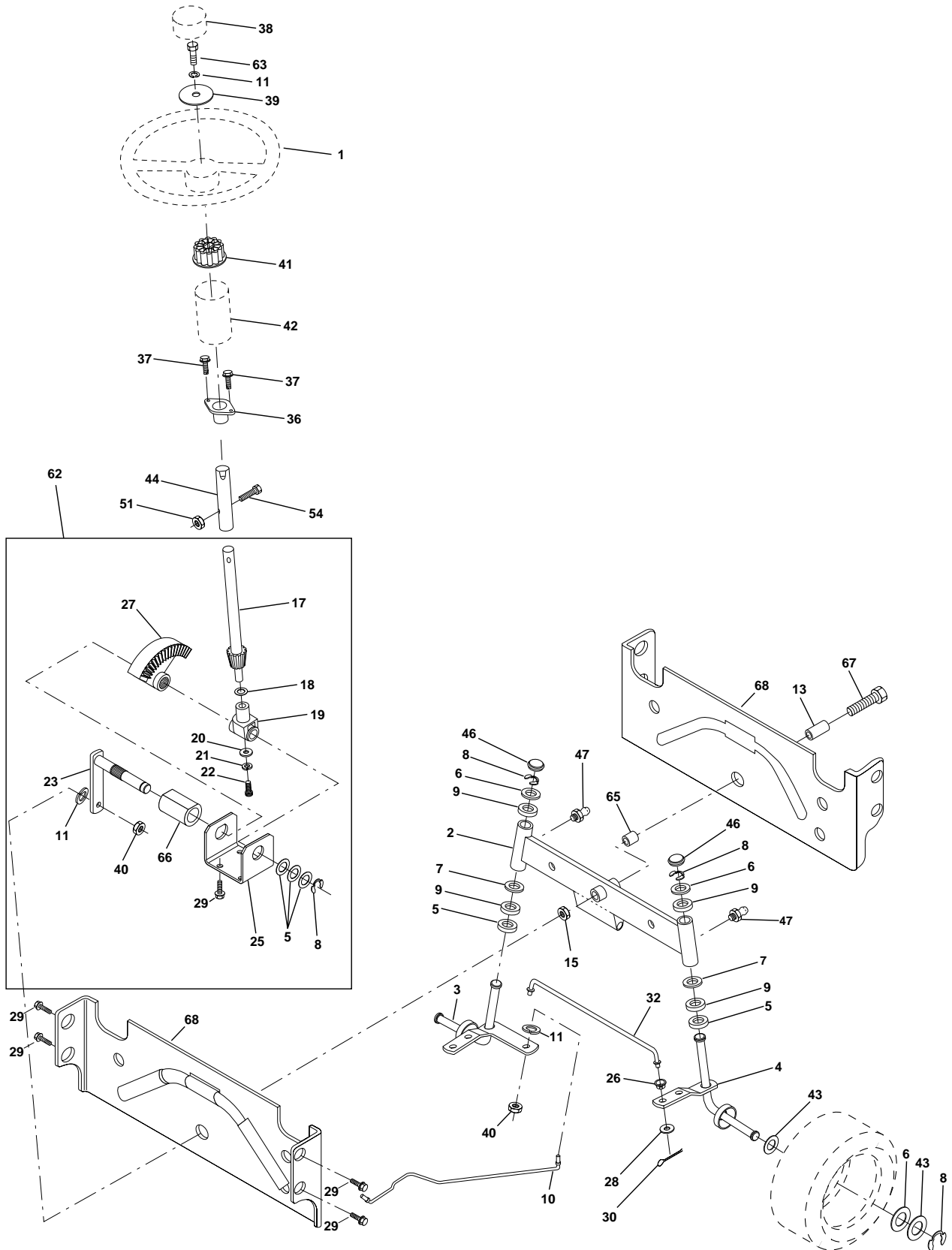
KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1	----- Transaxle (See Breakdown) Peerless 930-054A	51	873 68 06-00 Nut Crownlock 3/8-16 Unc
2	532 14 66-82 Spring Return Brake T/a Zinc	52	873 68 05-00 Nut Crownlock 5/16-18 Unc
3	532 12 36-66 Pulley Transaxle 18" tires	53	532 10 57-10 Link Clutch
4	812 00 00-28 Ring Retainer # 5100-62	55	532 10 57-09 Spring Return Clutch 6 75
5	532 12 15-20 Strap Torque 30 Degrees	56	874 76 06-20 Bolt Fin Hx 3/8-16 X 1/4
6	817 49 05-12 Screw Thdrol 5/16-18 X 3/4 TYT	57	532 13 08-01 V-Belt Ground Drive 95 25
8	532 15 47-92 Rod Shifter	58	532 12 72-74 Keeper Belt RH LT Pnt/zinc 16g
10	876 02 04-16 Pin Cotter 1/8 X 1 Cad	59	532 14 03-12 Keeper Belt Span Ctr
11	532 10 57-01 Washer Plate Shf 388 Sq Hole	61	817 49 06-12 Screw Thdrol 3/8-16x3/4 Ty-tt
13	874 55 04-12 Bolt 1/4-28 Unf Gr 8 W/Patch	62	532 12 48-72 Cover Pedal Blk Round
14	810 04 04-00 Washer Lock Hvy Helical 1/4	63	532 14 01-86 Engine Pulley LT/YT
15	874 49 05-44 Bolt Hex 5/16-18 Gr. 5	64	871 17 07-64 Bolt Hex
18	874 78 06-16 Bolt, Fin Hex 3/8-16 UNC x 1 Gr. 5	65	810 04 07-00 Washer Lock Hvy Hlcl Spr 7/16
19	873 80 06-00 Nut Lock 3/8-16 Unc	66	532 15 47-78 Keeper Belt Engine Foolproof
21	532 10 69-33 Knob	70	532 13 46-83 Guide Belt Mower Drive RH
22	532 13 08-04 Rod Brake Blk Zinc 26 840	72	819 13 20-12 Washer 13/32 X 1-1/4 X 12 Ga
24	873 35 06-00 Nut Hex Jam 3/8-16 Unc	74	532 13 70-57 Spacer Axle
25	532 10 68-88 Spring Rod Brake 2 00 Zinc	75	532 12 17-49 Washer 25/32 X 1 1/4 X 16 Ga
26	819 13 13-16 Washer 13/32 X 13/16 X 16 Ga	76	812 00 00-01 E-ring #5133-75
27	876 02 04-12 Pin Cotter 1/8 X 3/4 Cad	77	532 12 35-83 Key Square 2 0 X 1845/ 1865
28	532 14 52-04 Rod Brake Parking LT/YT	78	532 12 17-48 Washer 25/32 X 1-5/8 X 16 Ga
29	532 07 16-73 Cap Brake Parking Black	79	532 12 50-96 Key Woodruff #9 3/16 x 3/4
30	532 13 08-07 Bracket Mtg Transaxle	80	532 13 14-86 Arm Shift
31	532 12 72-75 Keeper Belt LH LT 14 Ga	81	532 15 60-43 Shaft Asm Cross 20"t
32	874 76 05-12 Bolt Hex Hd 5/16-18unc X 3/4	82	532 12 37-82 Spring Torsion T/a
34	532 15 50-71 Shaft Asm Pedal Foot	83	819 17 12-16 Washer 17/32 X 3/4 X 16 Ga
35	532 12 01-83 Bearing Nylon Blk 629 Id	84	532 12 37-93 Rod Shift
36	819 21 16-16 Washer 21/32 X 1 X 16 Ga	85	532 15 03-60 Nut Lock Center 1/4 - 28 FNTHD
37	532 12 49-63 Pin Roll 3/16 X 1"	86	532 07 12-08 Bushing Rod Strg 629/632 Id
38	532 12 36-74 Pulley Idler Flat	87	819 21 20-16 Washer 21/32 X 1-1/4 X 16 Ga
39	874 76 06-44 Bolt Fin Hex 3/8-16unc X 2-3/4	88	812 00 00-08 Ring Klip #5304-62
40	532 12 49-65 Spacer Split 395 X 59 Bzp	89	532 15 48-85 Console Shift STLT
41	532 15 47-77 Keeper Belt Retainer Idler Foolproof	90	532 12 43-46 Nut Self-thd Wsh-hd 1/4 Zinc
42	819 13 13-12 Washer 13/32 X 13/16 X 12 Ga	112	819 09 12-10 Washer 9/32 x 3/4 x 10 Ga.
47	532 12 77-83 Pulley Idler V Groove Plastic	113	532 12 72-85 Strap Torque LT
48	532 15 46-04 Bellcrank Asm	116	872 11 06-10 Bolt Rdhd Sq Neck 3/8-16 x 1.25
49	532 12 32-05 Retainer Belt Style Spring	118	532 15 47-74 Spacer Bellcrank
50	874 76 06-24 Bolt Hex Hd 3/8-16unc X 1-1/2	121	532 15 44-19 Nyliner Clutching STL

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

# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## STEERING ASSEMBLY



# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## STEERING ASSEMBLY

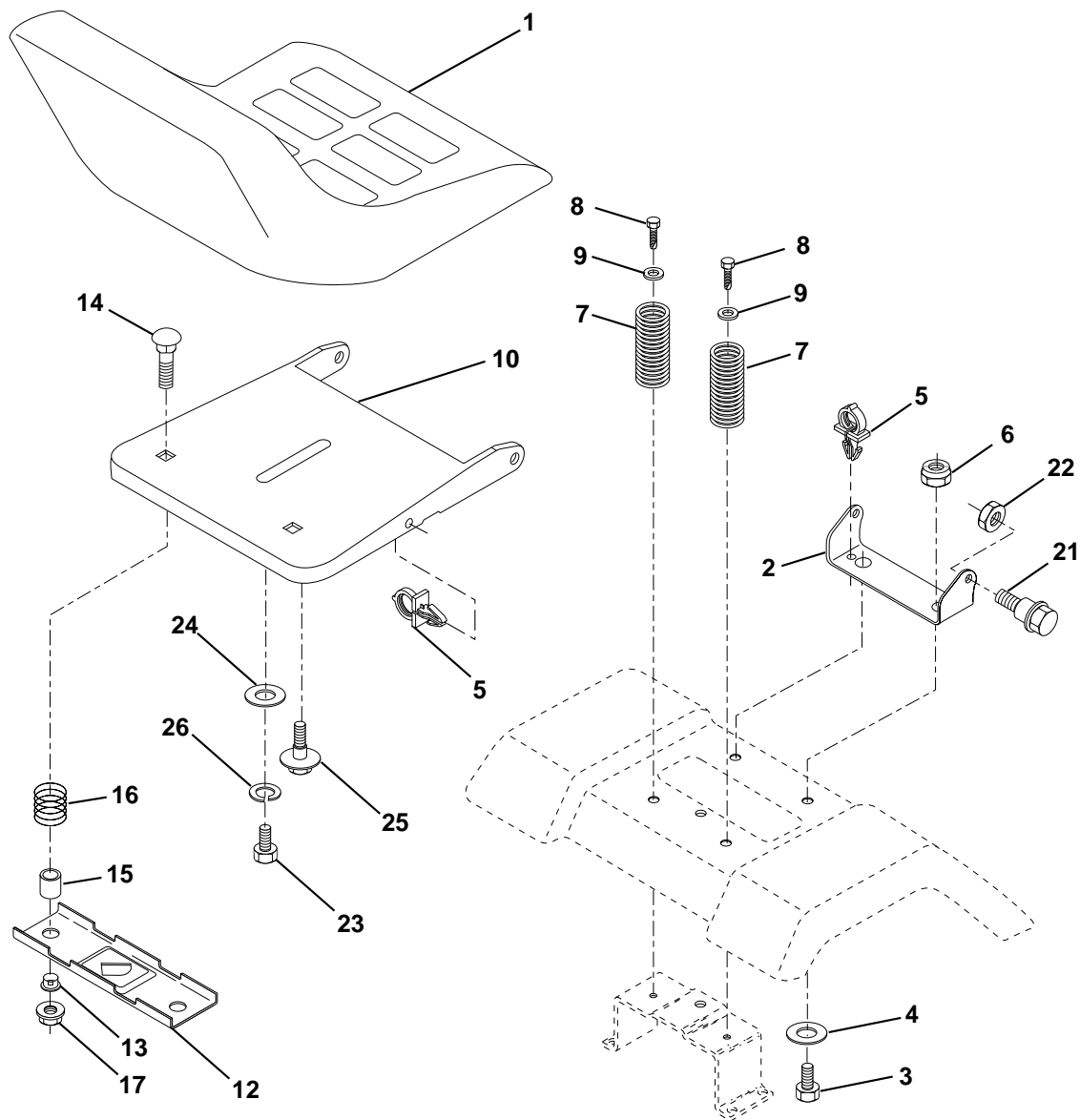
KEY NO.	PART NO.	DESCRIPTION
1	532 12 44-15	Wheel Steering
2	532 15 44-27	Axle Asm STMP Dropped STL
3	532 15 44-22	Spindle Asm LH
4	532 15 44-23	Spindle Asm RH
5	532 12 49-31	Bearing Race Thrust Harden
6	532 12 17-48	Washer 25/32 X 1-5/8 X 16 Ga
7	819 27 20-16	Washer 27/32 X 1-1/4 X 16 Ga
8	812 00 00-29	Ring Klip #t5304-75
9	532 12 49-37	Bearing Col Strg Blk
10	532 15 64-38	Link Drag Extended Stamp
11	810 04 06-00	Washer Lock Hvy Hlcl Spr 3/8
13	532 15 47-79	Bearing Axle STLT/GT
15	873 90 10-00	Nut Lock Flange 5/8-11 Unc
17	532 15 65-46	Shaft Asm Strg
18	532 05 70-79	Washer Thrust 515x 750x 033
19	532 12 40-35	Support Shaft
20	532 12 66-84	Washer Shim 1/4 X 5/8 X 062
21	810 04 04-00	Washer Lock Hvy Helical 1/4
22	871 10 04-10	Screw Cap Sckt Hd Phos & Oil
23	532 12 75-01	Shaft Asm Pittman
25	532 15 44-06	Bracket Steering
26	543 12 68-47	Bushing Link Drag Blk LR
27	532 13 68-74	Gear Sector
28	819 13 14-16	Washer 13/32 X 7/8 X 16 Ga
29	817 49 06-12	Screw Thdrol 3/8-16x3/4 Ty-tt
30	876 02 04-12	Pin Cotter 1/8 X 3/4 Cad
32	532 13 04-65	Rod Tie Wire Form 19 75 Mech
36	532 15 50-99	Bushing Strg
37	532 15 29-27	Screw
38	532 12 44-16	Insert Cap Strg Wh Au
39	819 13 38-08	Washer 13/32 X 2-3/8 X 8 Ga
40	532 12 47-01	Lock nut
41	532 10 07-11	Adaptor Wheel Strg
42	532 15 50-92	Boot Steering Shaft
43	532 12 17-49	Washer 25/32 X 1 1/4 X 16 Ga
44	532 15 37-20	Extension Steering Shaft LR/LT
46	532 12 12-32	Cap Spindle Fr Top Blk
47	532 12 48-36	Fitting Grease
51	873 80 05-00	Nut Lock Hex w/Ins 5/16-18
54	874 78 05-20	Bolt Fin Hex 5/16-18 Unc x 1-1/4
62	532 15 65-94	Kit, Steering Assembly Svc
63	874 78 06-16	Bolt Fin Hex 3/8-16unc x 1 Gr. 5
65	532 15 47-80	Spacer Axle
66	532 15 44-04	Bearing Arm Pittman
67	874 78 10-44	Bolt, Fin Hex 5/8-11 UNC x 2-3/4
68	532 15 44-29	Axle, Brace

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

# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## SEAT ASSEMBLY



### KEY PART NO. NO.

### DESCRIPTION

1	532 14 08-38	Seat
2	532 14 05-51	Bracket Pivot Seat 8 720
3	874 76 06-16	Bolt Fin Hex 3/8-16unc X 1
4	819 13 16-10	Washer 13/32 X 1 X 10 Ga
5	532 14 50-06	Clip Push-In
6	873 80 06-00	Nut Hex w/Ins. 3/8-16 Unc
7	532 12 41-81	Spring Seat Cprsn 2 250 Blk Zi
8	817 49 06-16	Screw Thdrol 3/8-16 X 1 Ty-tt
9	819 13 16-14	Washer 13/32 X 1 X 14 Ga.
10	532 15 59-25	Pan Seat
12	532 12 12-46	Bracket Mounting Switch
13	532 12 12-48	Bushing Snap Blk Nyl 50 Id

### KEY PART NO. NO.

### DESCRIPTION

14	872 05 04-11	Bolt Rdhd Sqnk 1/4-20x1-3/8
15	532 13 43-00	Spacer Split 28x 96 Yel Zinc
16	532 12 12-50	Spring Cprsn 1 27 Blk Pnt
17	532 12 39-76	Nut Lock 1/4 Lge Flg Gr 5 Zinc
21	532 15 32-36	Bolt Shoulder 5/16-18 Unc
22	873 80 05-00	Nut Hex Lock W/Ins 5/16-18
23	874 78 08-14	Bolt, Hex Head, Fin 1/2-13 x 7/8 Grade 5
24	819 17 19-12	Washer 17/32 X 1-3/16 X 12 Ga.
25	532 12 70-18	Bolt Shoulder 5/16-18 X 62
26	810 04 08-00	Washer Lock

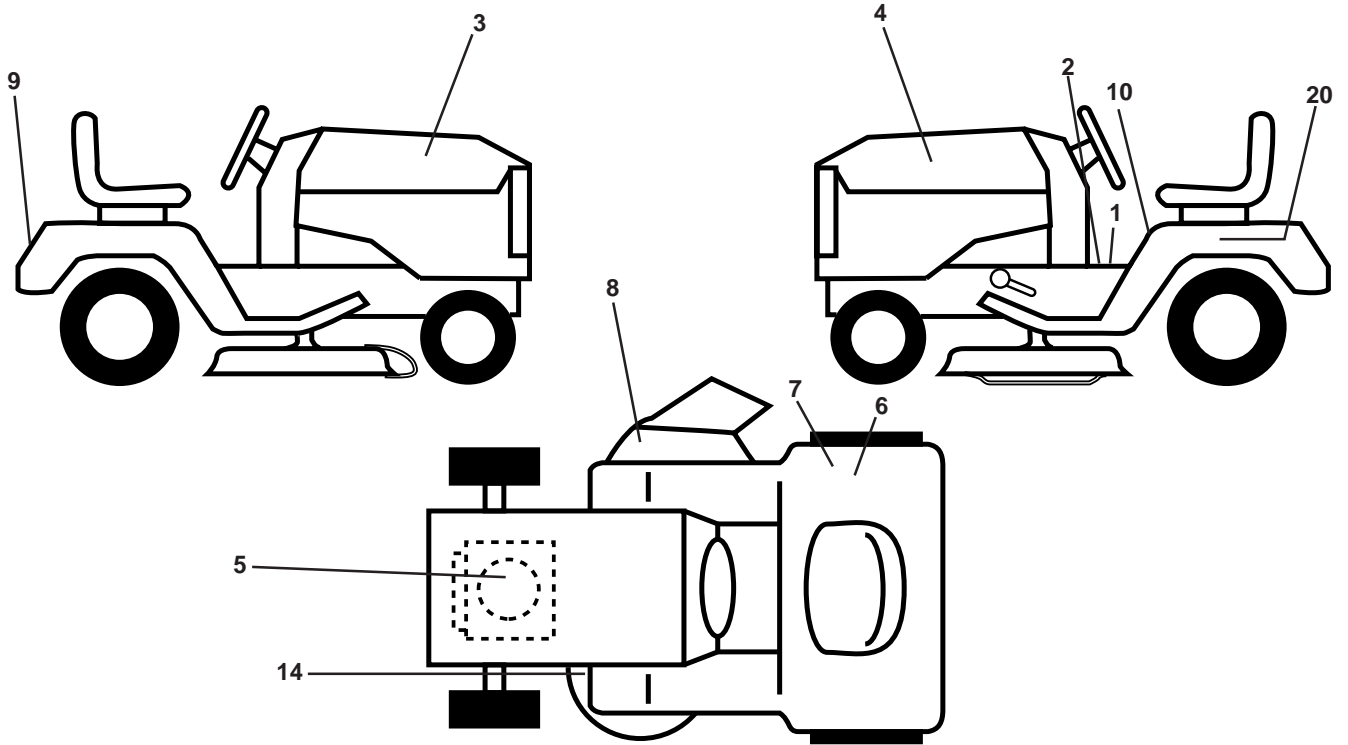
**NOTE:** All component dimensions given in U.S. inches.  
1 inch = 25.4 mm



# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## DECALS



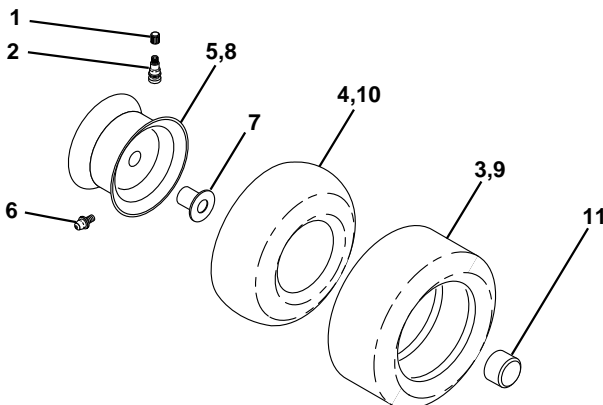
KEY NO.	PART NO.	DESCRIPTION
1	532 14 08-37	Decal Saddle Parking
2	532 15 63-69	Decal Fender STLTL Oper. Inst. English/French
3	532 15 13-20	Decal Hood LH
4	532 15 13-21	Decal Hood RH
5	532 27 24-40	Decal HP Engine
6	532 12 56-90	Decal 100 DBA
7	532 14 54-37	Decal Europe Stand CE
8	532 14 54-94	Decal Mower Cut/Finger
9	532 15 06-17	Decal Fender Husq
10	532 14 54-98	Decal Read Owner's Man Syms

KEY NO.	PART NO.	DESCRIPTION
14	532 13 68-32	Decal V-Belt Schematic
20	532 14 64-51	Decal Bat Dan/Psn
--	532 15 45-15	Pad Footrest LH STLTL
--	532 15 45-16	Pad Footrest RH STLTL
--	532 13 83-11	Decal Handle Lft Height Adjust
--	532 15 71-64	Manual Owner's (English)
--	532 15 71-65	Manual Owner's (French)

Available accessories not included with tractor:

- MK380 Mulcher Kit with Blades
- C38 Grass Catcher

## WHEELS & TIRES



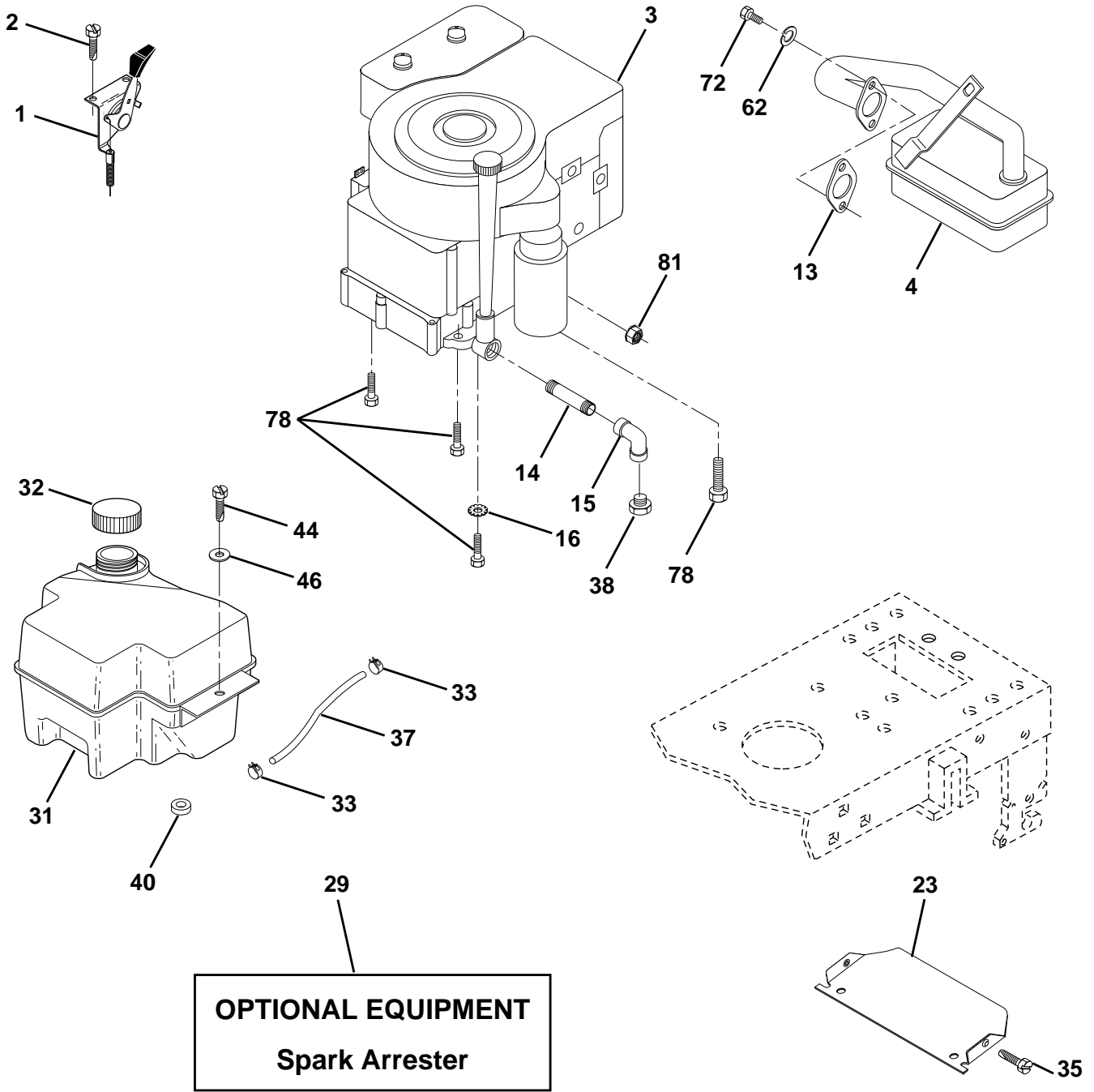
KEY NO.	PART NO.	DESCRIPTION
1	532 05 91-92	Cap Valve Tire
2	532 06 51-39	Stem Valve
3	532 10 62-22	Tire F Ts 15 X 6 0 - 6 Service
4	532 05 99-04	Tube Front (Service Item Only)
5	532 13 83-36	Rim Asm 6" front Silver Service
6	532 12 49-57	Fitting Grease (Front Wheel Only)
7	532 12 49-59	Bearing Flange (Front Wheel Only)
8	532 13 83-37	Rim Asm 8" rear Silver Service
9	532 12 46-35	Tire R Ts 18x8 5-8 C Service
10	532 12 49-26	Tube Rear (Service Item Only)
11	532 10 47-57	Cap Axle Blk 1 50 X 1 00
--	532 14 43-34	Sealant, Tire ( 10 oz. Tube)

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

# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## ENGINE



# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## ENGINE

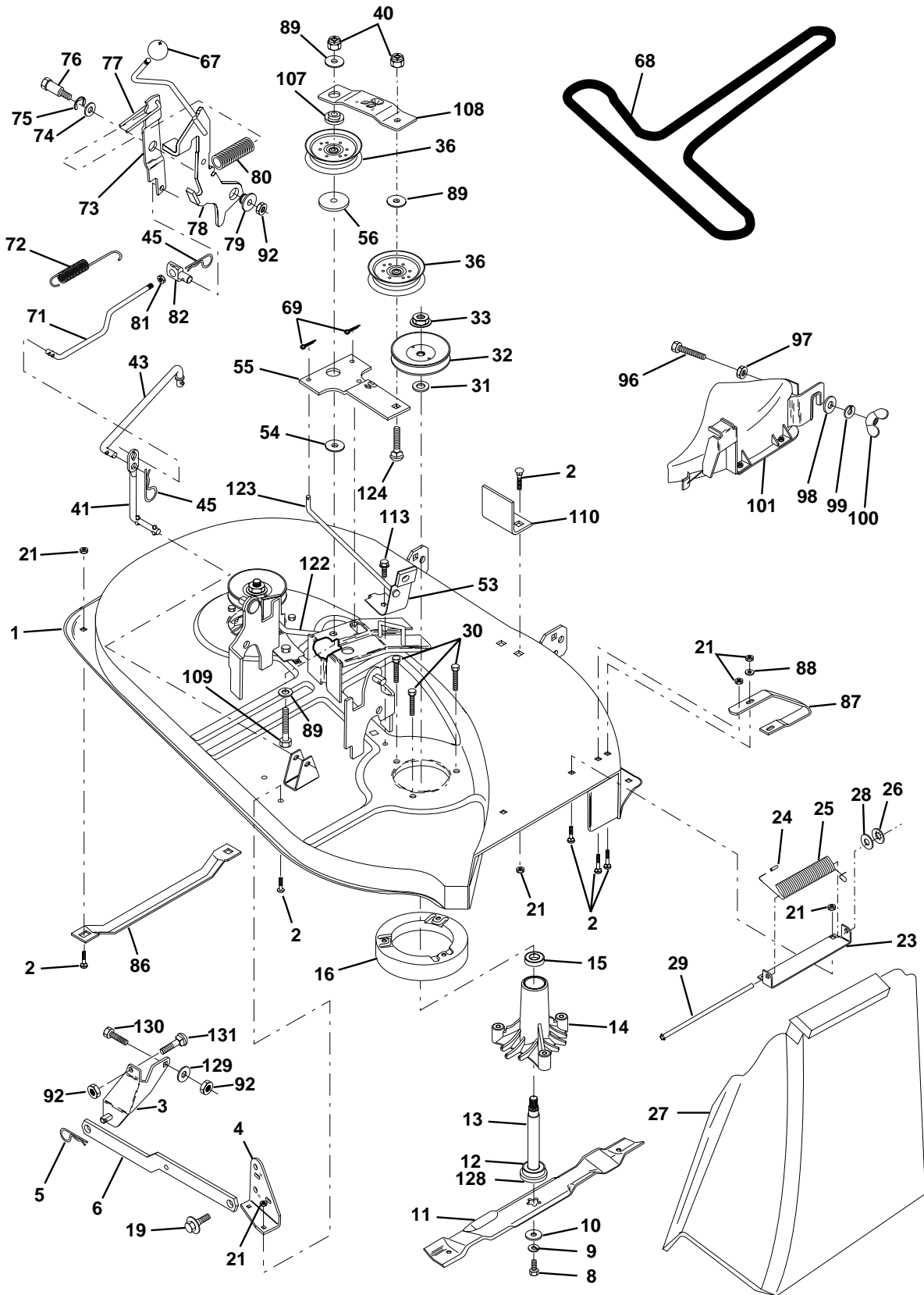
KEY NO.	PART NO.	DESCRIPTION
1	532 14 03-10	Control Th/ch 23 5 LH Flag
2	817 72 04-10	Screw Hex Thd Cut 1/4-20x5/8 T
3	-----	Engine B&S Model No. 285707
4	532 13 73-48	Muffler LT B&S 12/12.5/13HP
13	532 27 22-93	Gasket Eng 1 313 Id Tin Plated
14	813 28 03-24	Nipple Pipe 3/8 Npt X 3"
15	813 20 03-00	Elbow Std 90 Degree 3/8-18 Npt
16	811 05 06-00	Washer Lock Ext Tooth 3/8
23	532 15 61-23	Shield Heat
29	532 13 71-80	Kit Spark Arrestor (Flat Scrn)
31	532 14 02-80	Tank Fuel Front 2 00
32	532 14 05-27	Cap Asm Fuel W/sym Vented
33	532 12 34-87	Clamp Hose Black
35	817 49 05-12	Screw
37	532 13 70-40	Line Fuel 20"
38	-----	Plug Oil Drain (Order From Engine Manufacturer)
40	532 12 40-28	Bushing Snap Nyl Blk Fuel Line
44	817 49 04-12	Screw Hexwsh Thdrol 1/4-20x3/4
46	819 09 14-16	Washer 9/32 X 7/8 X 16 Ga
62	810 04 05-00	Washer Lock Hvy Hlcl Spr 5/16
72	871 07 05-12	Screw Hexhd Cap 5/16-18x 3/4
78	817 49 06-20	Screw Thdrol 3/8-16x1-1/4 TYTT
81	532 12 88-61	Nut Flange 1/4-20 Starter Nut

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

# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (95414002A), PRODUCT NO. 954 1400-02

## MOWER DECK



# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## MOWER DECK

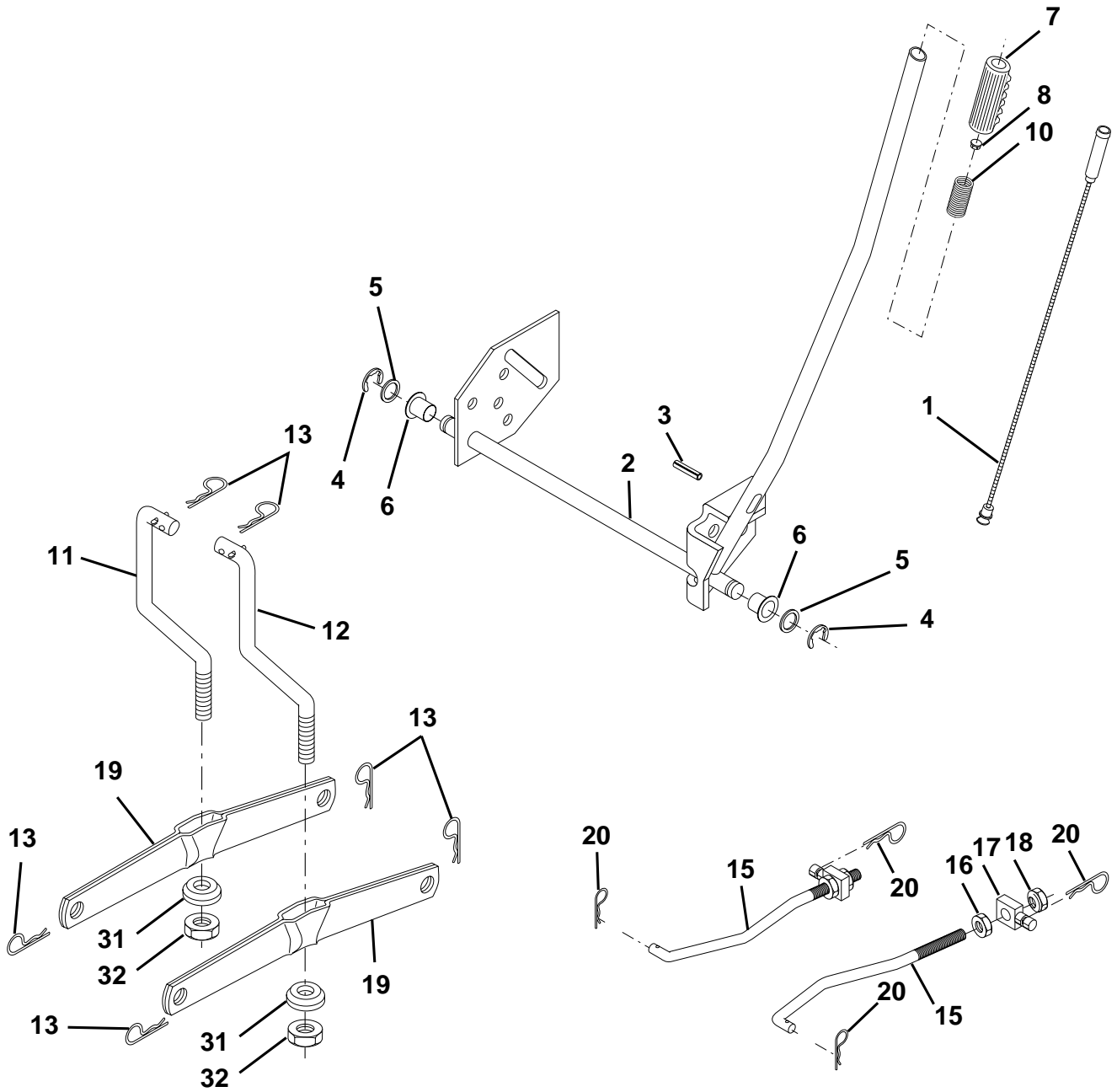
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	532 14 28-29	Asm Mower Housing	71	532 14 24-27	Rod Clutch Primary 38/42
2	872 14 05-06	Bolt Rdhd Sqnk 5/16-18unc X3/4	72	532 13 18-70	Spring Return
3	532 13 80-17	Bracket Asm Fr Sway Bar 38/42	73	532 12 78-47	Arm Clutch Secondary
4	532 13 84-40	Bracket Asm Deck Sway Bar	74	532 12 17-48	Washer 25/32 X 1-5/8 X 16 Ga
5	532 12 46-70	Retainer Spring	75	812 00 00-29	Ring Klip #t5304-75
6	532 13 08-32	Arm Suspension Rear	76	532 12 89-03	Bolt Shoulder 3/8-16 Unc 1 44
8	532 85 08-57	Bolt 3/8 - 24 X 1.25 Gr 8	77	532 12 78-45	Keeper Spring 4 000
9	810 03 06-00	Washer Lock Hvy 3/8	78	532 15 48-09	Arm Asm Clutch Primary
10	532 14 02-96	Washer Hard Blade Mower Vented	79	532 12 74-98	Bushing 747 Od X 794 Lg Brass
11	532 13 41-48	Blade Mower Mulching 38"	80	532 15 37-01	Spring Clutch Mower
12	532 12 98-95	Bearing Ball #6024 (Mandrel)	81	873 35 06-00	Nut Hex Jam 3/8-16
13	532 13 76-45	Shaft Asm W/lower Bearing	82	532 14 20-28	Trunnion Adj 94
14	532 12 87-74	Housing Mandrel Vented	86	532 12 50-74	Runner, LH
15	532 11 04-85	Bearing Ball Mandrel	87	532 12 87-72	Runner, RH
16	532 14 03-29	Stripper Mower Vented	88	819 11 12-16	Washer 11/32 x 3/4 x 16 Ga.
19	532 13 28-27	Bolt Shoulder	89	819 13 16-12	Washer 13/32 x 1 x 12 Ga.
21	873 68 05-00	Nut Crownlock 5/16-18 UNC	92	873 80 06-00	Nut Lock Hex W/Ins 3/8-16 Unc
23	532 13 76-07	Bracket Deflector Mower	96	874 93 06-20	Bolt 3/8-16 x 1-1/4 Mulcher
24	532 10 53-04	Cap Sleeve 80x 112 Blk Mower	97	873 93 06-00	Nut Crownlock 3/8-16 UNC
25	532 12 37-13	Spring Torsion Deflector 2 52	98	819 13 20-16	Washer 13/32 x 1-1/4 x 16 Ga.
26	532 11 04-52	Nut Push Phos & Oil	99	810 04 06-00	Washer Lock Hvy Hlcl Spr 3/8
27	532 10 67-36	Shield Deflector	100	532 13 56-51	Nut Wing
28	819 11 10-16	Washer 11/32 X 5/8 X 16 Ga	101	532 13 28-03	Cover Asm Mulching 38"
29	532 10 67-35	Rod Hinge	107	532 13 35-02	Spacer, Retainer
30	532 13 87-76	Screw Thdrol Hex Head Zinc Mwr	108	532 13 35-03	Stiffener, Idler Arm
31	532 12 99-63	Washer Spacer Mower Vented	109	874 76 06-40	Bolt, Hex Head 3/8-16 x 2-1/2
32	532 15 35-35	Pulley Mandrel	110	532 14 25-87	Upstop Deck Front 38"
33	532 13 72-66	Nut 9/16 Toplock Fling Oil Dip	113	817 49 05-12	Screw Thdrol 5/16-18 X 3/4
36	532 13 14-94	Pulley Idler Flat 3 060	122	532 13 12-89	Rod, Brake, LH
40	873 68 06-00	Nut Crownlock 3/8-16 UNC	123	532 13 12-88	Rod, Brake, RH
41	532 13 35-51	Rod Pivot W/nibs	124	872 11 06-14	Bolt, Carriage 3/8-16 x 1-3/4
43	532 13 35-04	Rod Clutch Secondary	128	532 15 33-90	Washer Felt
45	532 12 47-88	Spring Retainer 1" Zinc/cad	129	819 13 13-12	Washer 13/32 x 13/16 x 12 Ga.
53	532 13 08-40	Asm Brake	130	874 78 06-16	Bolt, Fin Hex 3/8-16 UNC x 1 Gr. 5
54	532 13 39-43	Washer Hardened	131	872 14 06-08	Bolt, Rdhd Sqnk 3/8-16 x 1
55	532 13 38-40	Arm Idler	--	532 13 07-94	Mandrel Asm Service (Includes Key Nos. 8-10, 12-15, 31 and 33)
56	532 12 20-52	Spacer Retainer Pm Mower	--	532 14 28-20	Mower Deck Complete
67	532 10 69-32	Knob Rd 1/2-13 Plstc Thds Blk			
68	532 14 42-00	V-Belt Mower			
69	876 02 03-12	Pin, Cotter 3/32 x 3/4			

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

# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## MOWER LIFT





# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## MOWER LIFT

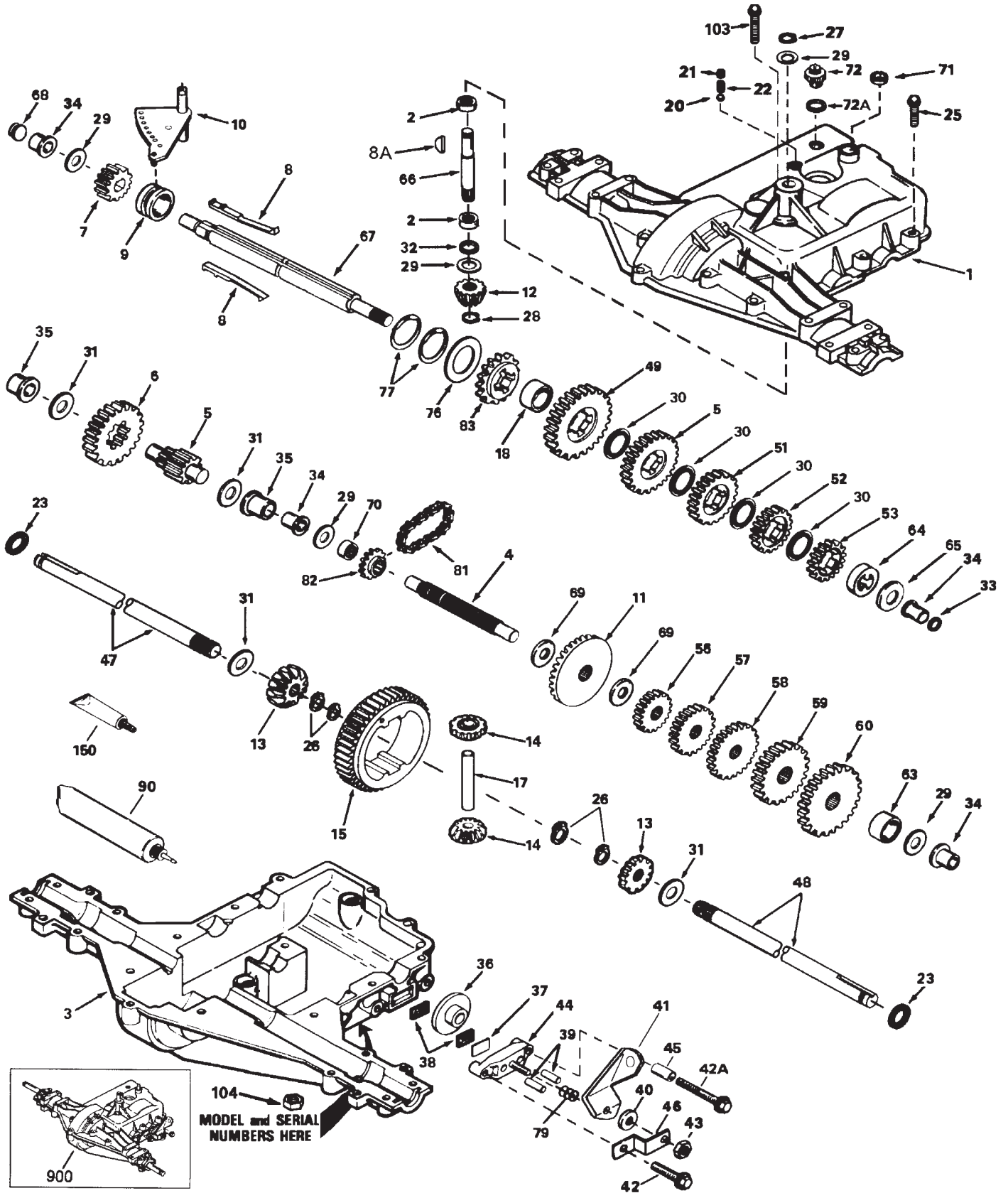
KEY NO.	PART NO.	DESCRIPTION
1	532 13 69-73	Wire Asm Inner W/plunger 17 32
2	532 14 51-17	Shaft Asm Lift
3	532 10 57-67	Pin Groove
4	812 00 00-02	E Ring #5133-62
5	819 21 16-21	Washer PLTD 21/32 X 1 X 21ga
6	532 12 01-83	Bearing Nylon Blk 629 Id
7	532 10 94-13	Grip Handle Bicycle
8	532 12 45-26	Button Plunger Black
10	532 12 25-12	Spring Cprsn 3 750 Oiled
11	532 13 98-65	Link Lift LH
12	532 13 98-66	Link Lift RH
13	532 12 46-70	Retainer Spring
15	532 12 72-18	Link Front
16	873 35 08-00	Nut Jam Hex 1/2-13 Unc
17	532 13 01-71	Trunnion Blk Zinc
18	873 80 08-00	Nut Lock W/wsh 1/2-13unc
19	532 13 98-68	Arm Suspension Rear
20	532 12 46-60	Spring, Retainer
31	532 14 03-02	Bearing Pvt. Lift Spherical
32	873 54 06-00	Nut Crownlock 3/8-24

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

# REPAIR PARTS

RACTOR - MODEL NO. LT120 (95414002A), PRODUCT NO. 954 1400-02

PEERLESS TRANSAXLE - MODEL NUMBER 930-054A



# REPAIR PARTS

TRACTOR - MODEL NO. LT120 (954140002A), PRODUCT NO. 954 1400-02

## PEERLESS TRANSAXLE - MODEL NUMBER 930-054A

REF PART NO. NO.	DESCRIPTION	REF PART NO. NO.	DESCRIPTION		
1	772108A	Cover, Transaxle	43	792075	Locknut 5/16-24
2	780086	Bearing, Needle	44	790025	Holder, Brake Pad
3	770102A	Case, Transaxle	45	786066	Spacer
4	776260	Shaft, Counter	46	786086	Bracket, Brake Lever
5	776219B	Shaft and Pinion Assembly, Output	47	774690	Axle 11-5/16" long
6	778139	Gear, Output	48	774691	Axle 16-1/2" long
7	778136	Gear, Spur, 15 Teeth	49	778215	Gear, Spur, 37 Teeth, Steel (1-)
8	792136A	Key, Shift	50	778124A	Gear, Spur, 30 Teeth (2-)
8A	792047	Key, Woodruff	51	778123A	Gear, Spur, 25 Teeth (3-)
9	784352	Collar, Shifter	52	778122A	Gear, Spur, 22 Teeth (4-)
10	784355	Rod and Fork Assembly, Shift	53	778273	Gear, Spur, 19 Teeth, Steel (5-)
11	778229	Gear, Bevel, 42 Teeth	56	778230	Gear, Spur, 12 Teeth (1-)
12	778113A	Bevel Pinion, Input	57	778126A	Gear, Spur, 20 Teeth (2-)
13	778221	Gear, Bevel	58	778127A	Gear, Spur, 25 Teeth (3-)
14	778068	Gear, Bevel Pinion	59	778128A	Gear, Spur, 28 Teeth (4-)
15	778260	Gear, Ring	60	778163	Gear, Spur, 31 Teeth (5-)
17	786139	Pin, Drive	63	786071	Spacer
18	786102	Spacer, Neutral	64	786072	Spacer
20	792077	Ball, Steel 5/16" diameter	65	780109	Washer, Thrust
21	792078	Set Screw 3/8-16 x 3/8	66	776135	Shaft, Input
22	792079	Spring	67	776315A	Shaft, Brake, 4 Keyed
23	788061	Ring, Seal	68	786116A	Plug
25	792073	Screw, Flanged Hex Head, Thread Forming 1/4-20 x 1-1/4	69	780051	Washer, Thrust
26	792125	Ring, Retainer (4 Required, Package of 2)	70	786118	Spacer
27	792035	Ring, Retainer	71	788069	Seal, Square Cut
28	788040	Ring, Retainer	72	792165	Plug, Threaded 9/16-18
29	780072	Washer, Thrust	72A	788091	"O" Ring
30	780108	Washer, Thrust	76	780090	Washer, Thrust
31	780001	Washer	77	788078A	Ring, Retaining, Inverted (Package of 2)
32	792001	"O" Ring	79	792144	Spring, Brake
33	788095	Seal, Square Cut	81	786081	Chain, Roller (Number 41 Chain, 24 Links)
34	780105A	Bushing, Flanged	82	786082	Sprocket, 9 Teeth (Reverse)
35	780118A	Bushing, Flanged	83	786123	Sprocket, 18 Teeth (Reverse)
36	790003	Disk, Brake	90	788067B	Grease, Bentonite, 32 Ounce Bottle
37	790007	Plate, Brake Pad	103	792166	Screw 1/4-20 x 2
38	799021	Pad, Brake	104	792167	Locknut 1/4-20
39	786026	Pin, Dowel	150	510334	Gasket Eliminator (Loctite #515)
40	792076A	Washer, Flat			
41	790079	Lever, Brake			
42	792073	Screw, Flanged Hex Head, Thread Forming 1/4-20 x 1-1/4			
42A	792085A	Screw 1/4-20 x 2-1/4			

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

Parts must be ordered from Tecumseh Products Co.

