

LR122

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.

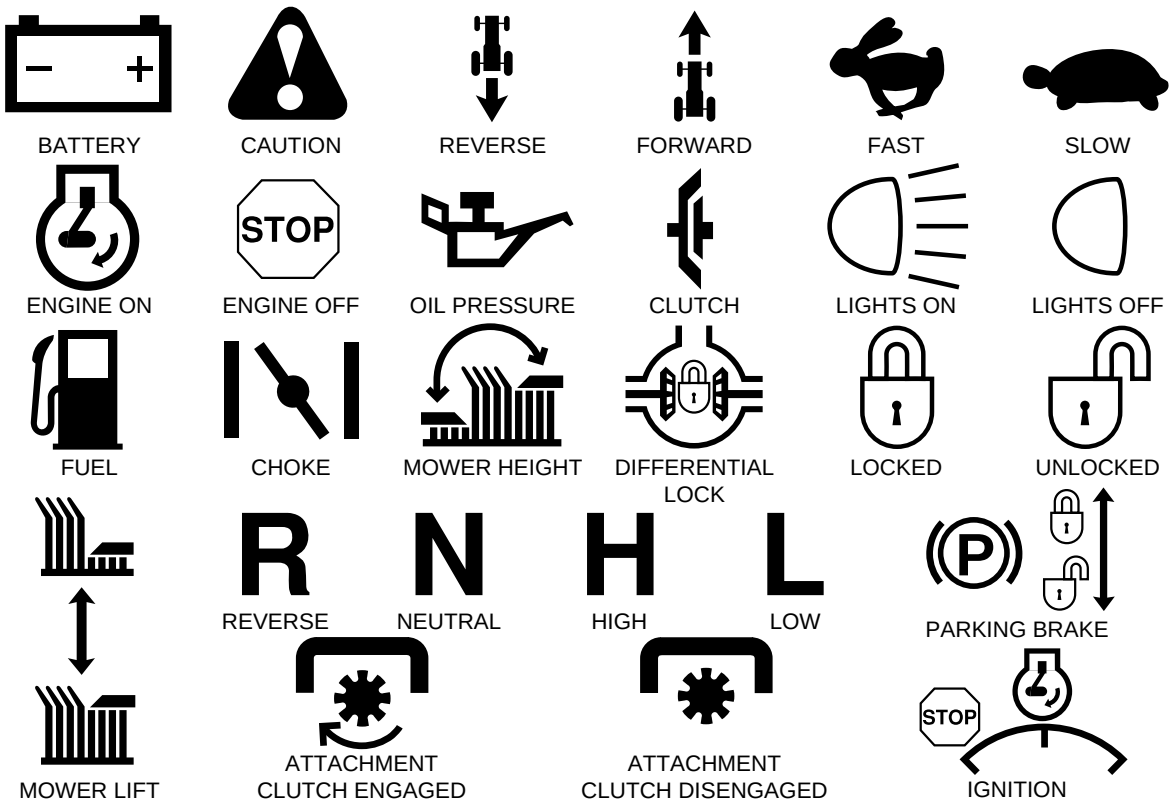
CONGRATULATIONS on your purchase of a new Tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

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

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

INTERNATIONAL SYMBOLS

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



NOTE: The illustrations shown in this manual are to aid in the assembly and operation of your tractor. They may or may not show the actual model you have purchased.

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

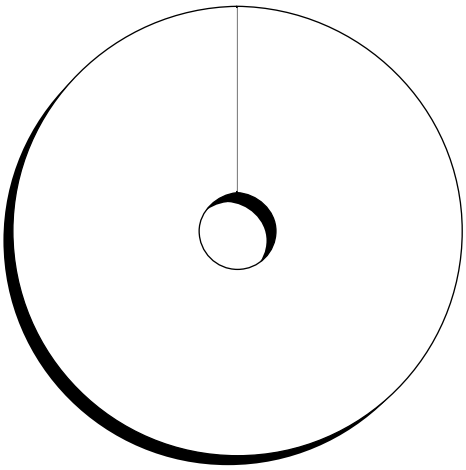
In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest authorized service facility.

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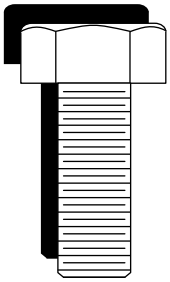
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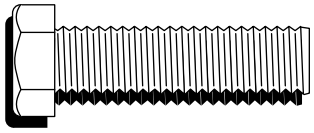
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(1) Hex Bolt 3/8-16 x 1



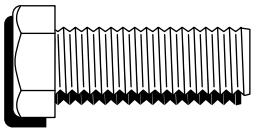
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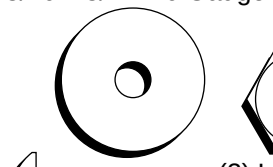
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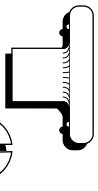
(1) Locknut 5/16-18



(2) Hex Bolts 5/16-18 x 1



(2) Washers 3/16 x 3/4 x 16 Gauge



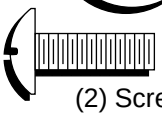
(2) Weld Nuts #10



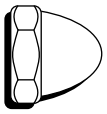
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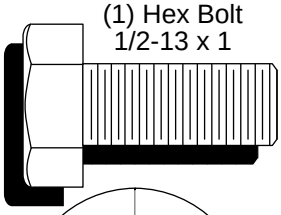
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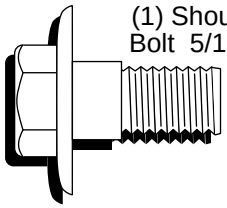
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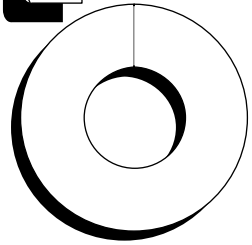
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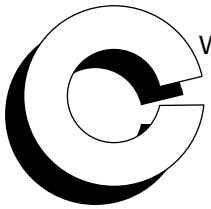


(1) Hex Bolt 1/2-13 x 1



(1) Shoulder Bolt 5/16-18

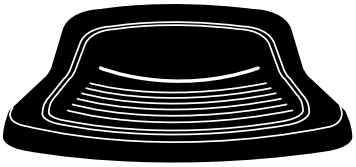




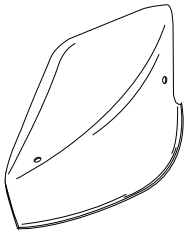
(1) Lock Washer 1/2

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

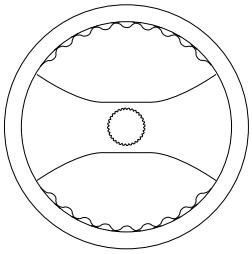
Parts packed separately in carton



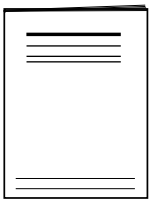
Seat



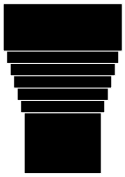
Mulcher Plate



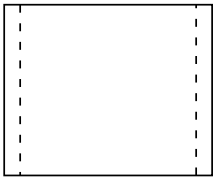
Steering Wheel



Manual



Steering Sleeve

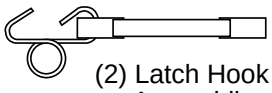


Parts Bag

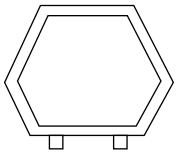
Parts bag contents not shown full size



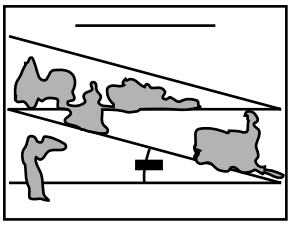
Steering Extension Shaft



(2) Latch Hook Assemblies



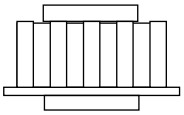
Steering Wheel Insert



Slope Sheet



(2) Keys



Steering Wheel Adapter

ASSEMBLY

TOOLS REQUIRED FOR ASSEMBLY

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

(1) 9/16" wrench
(1) 3/4" wrench
(2) 1/2" wrenches
Utility knife
Pliers
Tire pressure gauge
Phillips Screwdriver

When right and left hand are 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 4).
- 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

ASSEMBLE EXTENSION SHAFT

- 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.

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 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 materials from tractor hood and grill.

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

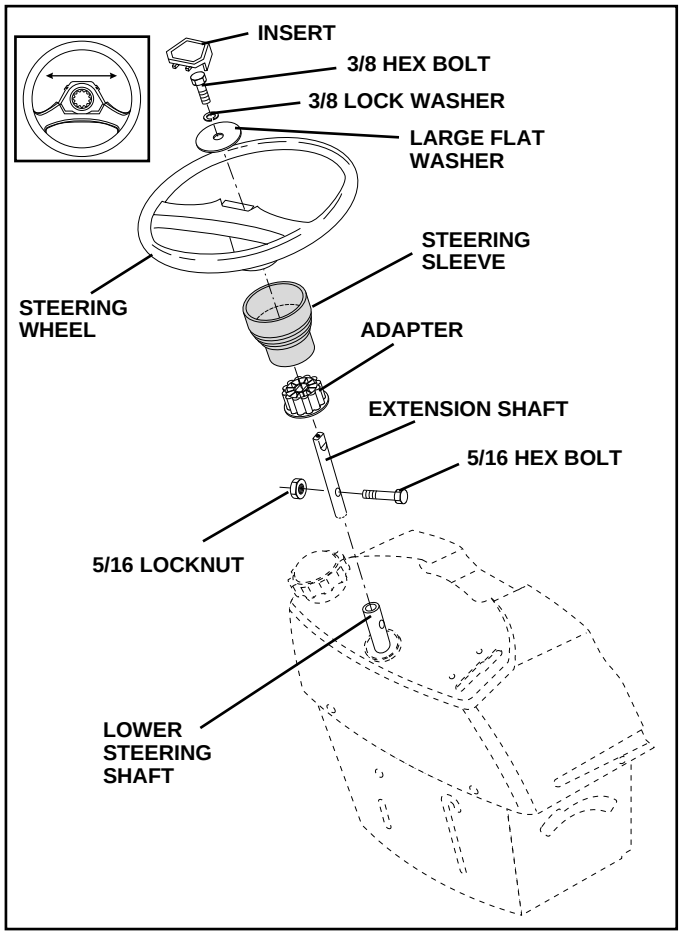


FIG. 1

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

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

ASSEMBLY

HOW TO SET UP YOUR TRACTOR

CHECK BATTERY (See Fig. 2)

- Lift seat pan to raised position and open battery box door.
- 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. (See "BATTERY" in CUSTOMER RESPONSIBILITIES section of this manual for charging instructions).

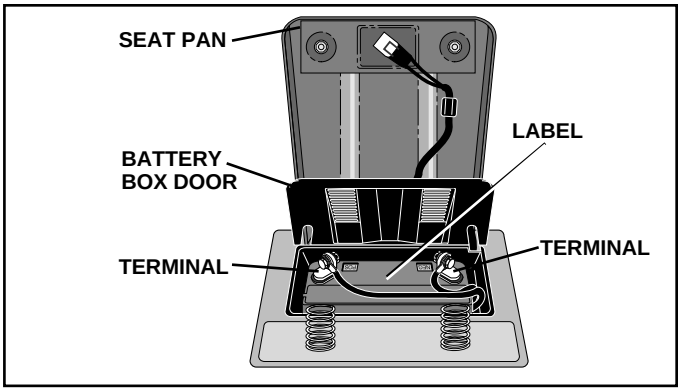


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment bolt or optional knob.

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

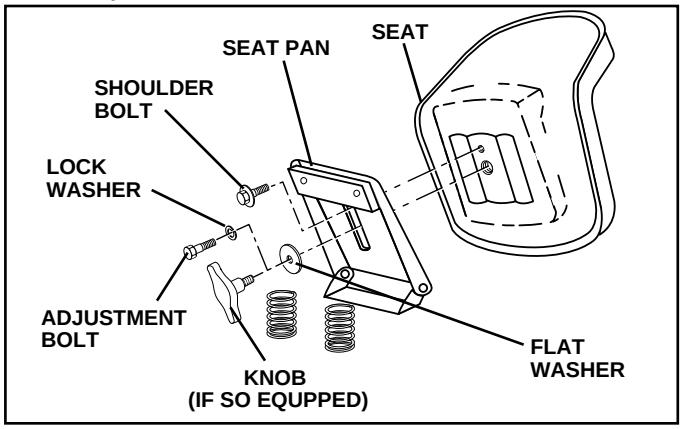


FIG. 3

TO INSTALL MULCHER PLATE

PREPARE MOWER DECK (See Fig. 4)

- Using holes provided in mower deck, install 5/16-18x1 hex bolts, 5/16-18 locknuts, and 5/16-18 acorn nuts.
- Install hex bolt from under mower deck and tighten locknut securely. Assemble and tighten acorn nut on hex bolt.

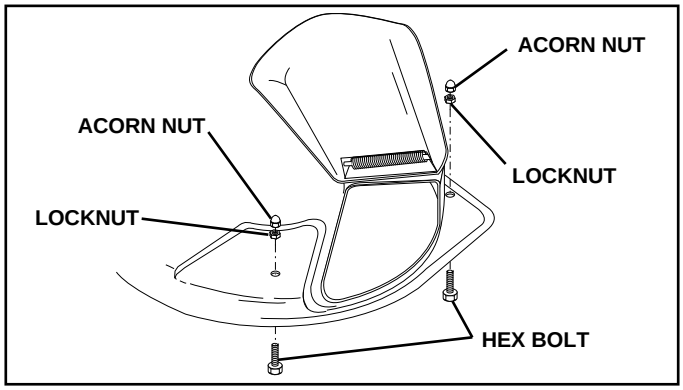


FIG. 4

INSTALL MULCHER PLATE (See Figs. 5 and 6)

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

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

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

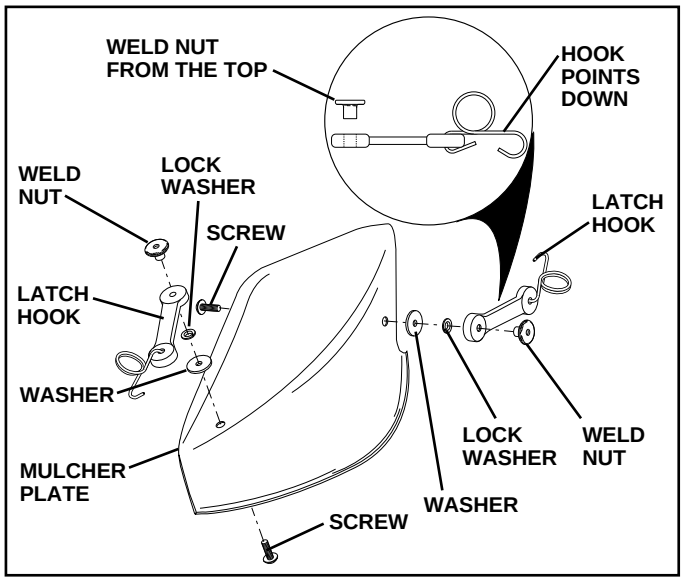


FIG. 5

ASSEMBLY

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

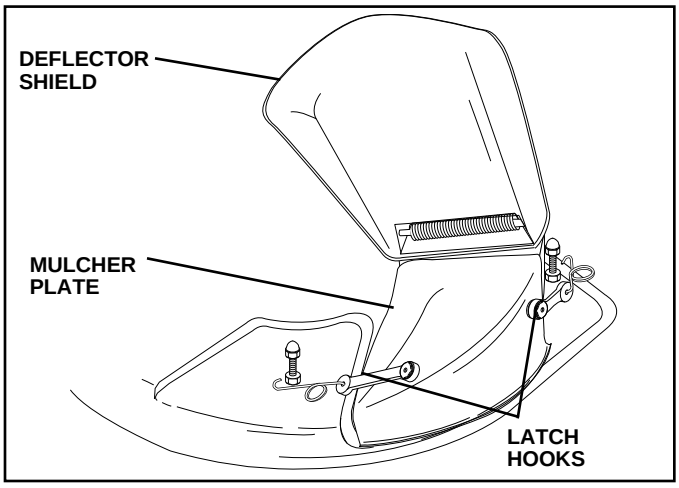


FIG. 6

TO CONVERT TO BAGGING OR DISCHARGING

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

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

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 14 PSI in front tires and 12 PSI in rear tires.

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

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 location of various controls and adjustments. Save this manual for future reference.

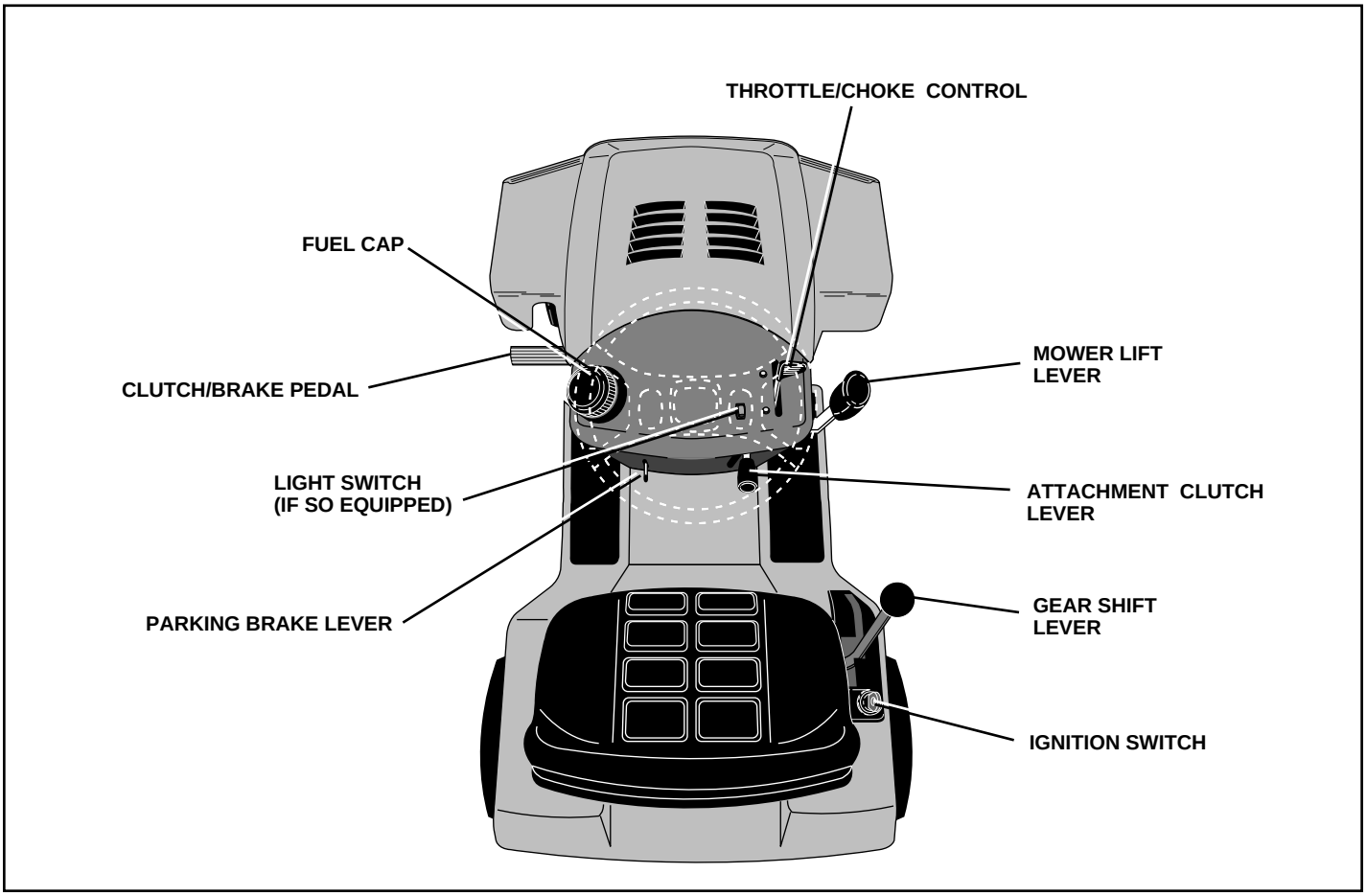


FIG. 8

Your tractor conforms to the safety standards of the American National Standards Institute.

IGNITION SWITCH: Used for starting and stopping the engine.

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

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

GEARSHIFT LEVER: Selects the speed and direction of the lawn rider.

LIGHT SWITCH: (If so equipped) Turns headlights on or off.

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

ATTACHMENT CLUTCH LEVER: Used to engage the mower blades.

MOWER LIFT LEVER: Used to raise and lower the mower deck.

OPERATION



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

HOW TO USE YOUR TRACTOR

TO SET PARKING BRAKE (See Fig.9)

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.

STOPPING (See Fig. 9 and 10)

MOWER BLADES -

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

GROUND DRIVE -

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

ENGINE -

- Move throttle control to slow position.

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

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

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

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



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

TO USE THROTTLE CONTROL (See Fig. 10)

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 Figs. 9 and 10)

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

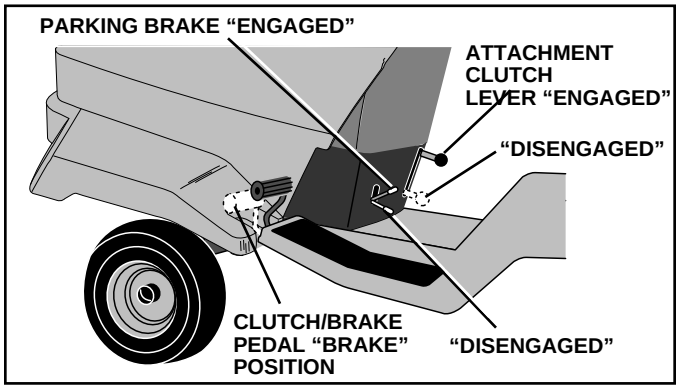


FIG. 9

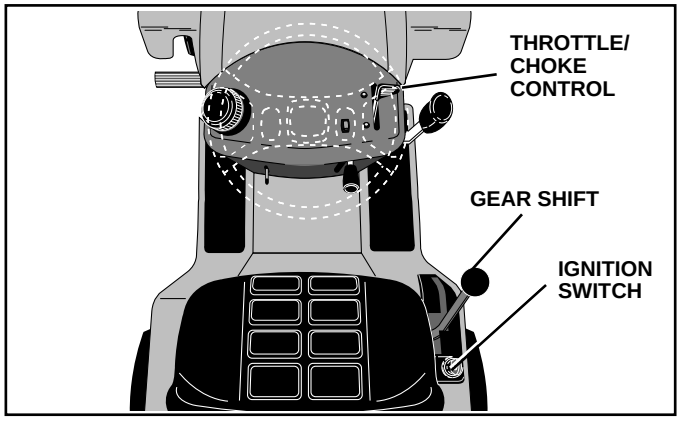


FIG. 10

- 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. 11)

The position of the attachment lift lever determines the cutting height. The position of the attachment lift lever can be adjusted by moving the height adjustment knob to desired position.

- With lift lever back and locked in highest position, pull out the adjustment knob and move to desired position.
- Move attachment lift lever out and forward to adjustment knob.

The cutting height range is approximately 1" to 3-1/2". 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.

OPERATION

- 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.•
  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.

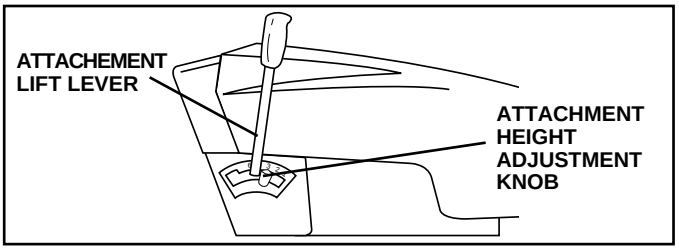


FIG. 11

TO OPERATE MOWER (See Figs. 11 and 12)

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.

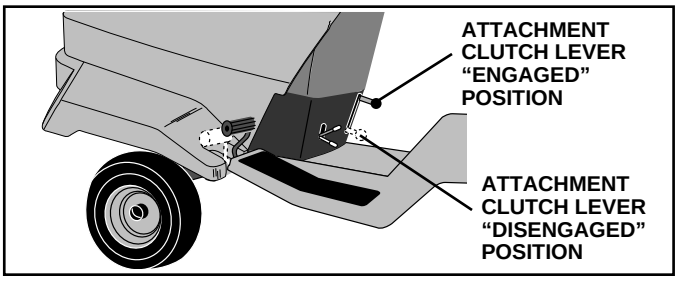


FIG. 12

TO OPERATE ON HILLS

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

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

TO TRANSPORT

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

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

TOWING CARTS AND OTHER ATTACHMENTS

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

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL

- 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. See engine manual for further instructions.
- For cold weather operation you should change oil for easier starting (See engine manual).
- To change engine oil, see the Customer Responsibilities section in this manual.

ADD GASOLINE

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

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

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

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

OPERATION

TO START ENGINE (See Fig. 8)

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

- Sit on seat in operating position, depress clutch/brake pedal and set parking brake.
- Place gear shift lever in neutral (N) position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control to 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

- 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. 13).
- 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.

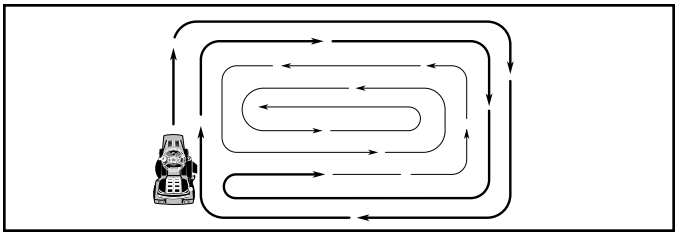


FIG. 13

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. 14). For extremely heavy mulching, reduce your width of cut on each pass and mow slowly.
- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

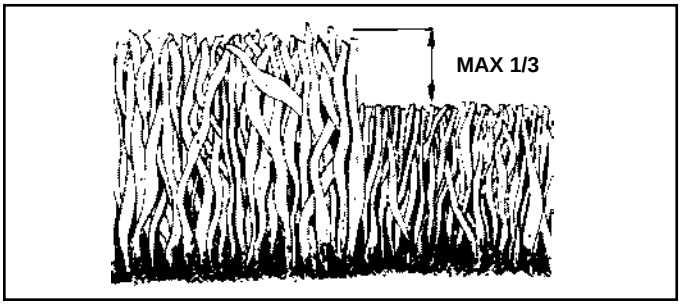


FIG. 14

CUSTOMER RESPONSIBILITIES

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

1 - Change more often when operating under a heavy load or in high ambient temperatures.
2 - Service more often when operating in dirty or dusty conditions.
3 - If equipped with oil filter, change oil every 50 hours.
4 - Replace blades more often when mowing in sandy soil.
5 - If equipped with adjustable system.
6 - Not required if equipped with maintenance-free battery.
7 - Tighten front axle pivot bolt to 35 ft.-lbs. maximum. Do not overtighten.

GENERAL RECOMMENDATIONS

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

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

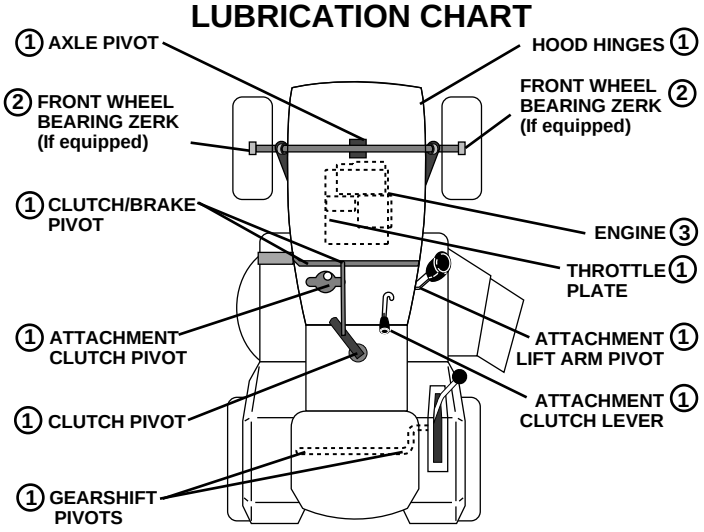
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

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

BEFORE EACH USE

- Check engine oil level.
- Check brake operation.
- Check tire pressure.
- Check operator presence and interlock systems for proper operation.
- Check for loose fasteners.

LUBRICATION CHART



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

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

CUSTOMER RESPONSIBILITIES

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

TIRES

- Maintain proper air pressure in all tires - 14 PSI in front tires and 12 PSI in rear tires.
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

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

OPERATOR PRESENCE SYSTEM

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

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

BLADE CARE

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

BLADE REMOVAL (See Fig. 15)

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

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

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

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

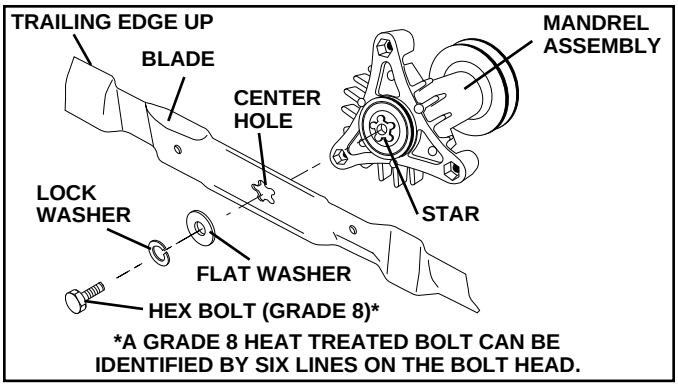


FIG. 15

TO SHARPEN BLADE (See Fig. 16)

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

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

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer.)

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

- Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

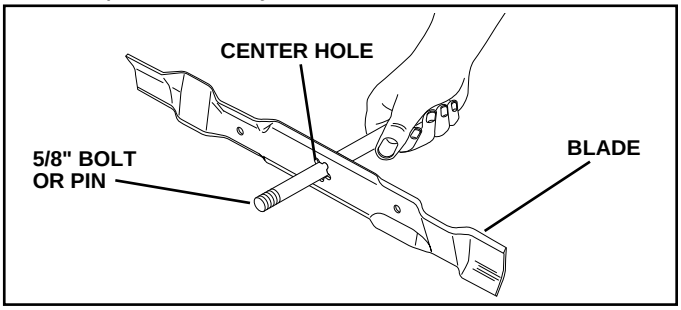


FIG. 16

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.

CUSTOMER RESPONSIBILITIES

- 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 "REPLACING BATTERY" in the SERVICE AND ADJUSTMENTS section of this manual).

V- BELTS

Check V-Belts for deterioration and wear after 100 hours. 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

Change the oil after every 25 hours of operation or at least once a year if the tractor is not used for 25 hours in one year. Refer to engine manual.

AIR FILTER

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

- Remove knobs and cover.
- Remove cartridge nut and clean or replace cartridge.
- Reassemble and tighten securely.

NOTE: Do not attempt to oil the paper cartridge. See engine manual.

CLEAN AIR SCREEN

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. See engine manual.

ENGINE COOLING FINS

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

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 your engine manual.

IN-LINE FUEL FILTER (See Fig. 17)

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

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

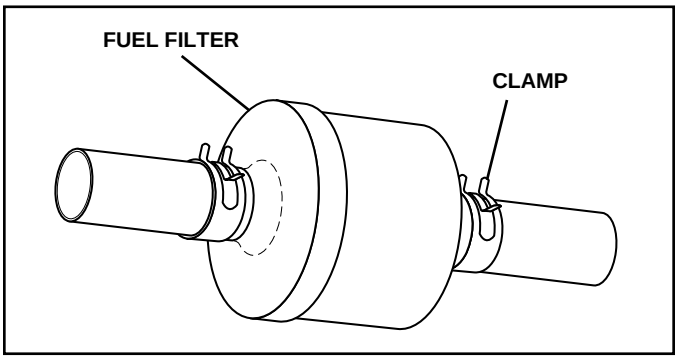


FIG. 17

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

SERVICE AND ADJUSTMENTS

CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

- **Depress clutch/brake pedal fully and set parking brake.**
- **Place gearshift lever in neutral (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.**

TO REMOVE MOWER (See Fig. 18)

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

- Park tractor on a level surface and engage parking brake.
- Remove key from ignition.
- Be sure that attachment clutch lever is in "DISENGAGED" position.
- Lower mower deck to lowest cutting position.
- Remove retainer spring and washer that holds mower clutch spring to the mower clutch arm.
- Disconnect mower clutch spring from mower clutch arm.
- Remove retainer springs and washers from mower stabilizer link.
- Remove retainer springs and washers from rear lift links.
- Remove retainer spring and washer from front lift link.
- Withdraw front lift link, rear lift links and mower stabilizer link from brackets.
- Remove belt from engine pulley.
- Raise mower lift handle to transport position.
- Turn front tires to left.
- Slide mower deck out on right side of tractor.

TO INSTALL MOWER (See Fig. 18)

- Reverse removal instructions.

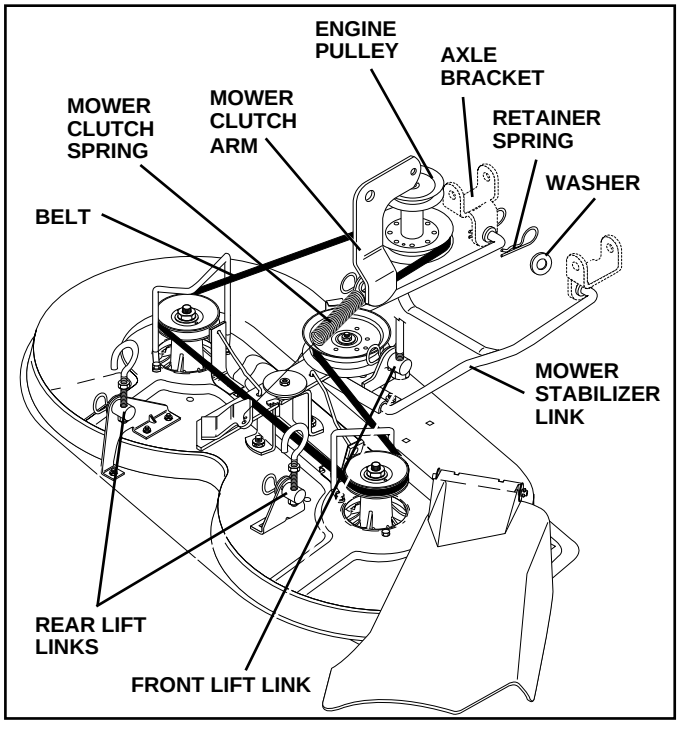


FIG. 18

MOWER UPSTOP ADJUSTMENT (See Fig. 19)

- Raise attachment lift lever to highest (transport) position.
- Measure distance from top of mower deck to lower flange of chassis (dim. "A").
- Dim. "A" should be 3-3/8 to 3-1/2 inches.
- To adjust dim. "A", if required, lower mower to lowest position. Remove washer and retainer spring in trunnion, then withdraw trunnion pin from bracket. Loosen trunnion locknut and rotate trunnion counterclockwise on lift link to increase dim. "A" or clockwise on lift link to decrease dim. "A".

NOTE: Each full turn of trunnion will change dim. "A" by 1⁄16 inch.

- Tighten trunnion locknut.
- Re-insert trunnion into bracket with pin pointing to L.H. side of tractor. Re-install washer and retainer spring.
- Raise lift lever to highest position and recheck dim. "A". Repeat adjustment if necessary.

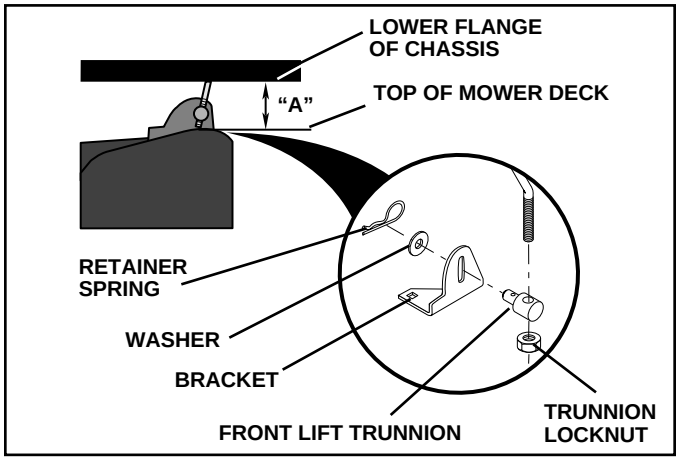


FIG. 19

SERVICE AND ADJUSTMENTS

TO LEVEL MOWER HOUSING (See Figs. 20-23)

Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated. If tires are over or under inflated, you will not properly adjust your mower.

NOTE: One rotation of trunnion nut is equivalent to approximately 1/8 inch of height change. Be sure upper and lower nuts are tightened against trunnion after adjustment has been completed.

- Place attachment height adjustment knob in position "3" (See Fig. 21).
- Lower attachment lift lever to height adjustment knob.

SIDE-TO-SIDE ADJUSTMENT (See Figs. 21 and 22)

- Measure distance from ground to lower flange of mower deck on both sides of mower (dim. "B" & "C"). Dim. "B" & "C" should be the same.

Level mower side-to side by adjusting the left rear lift link.

- To raise left side of mower, loosen upper trunnion nut and tighten lower trunnion nut.
- To lower left side of mower, loosen lower trunnion nut and tighten upper trunnion nut.

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

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

- Measure distance from ground line to lower flange of deck at right front and right rear (dim. "D" & "E") in line with front and rear tires.

Raise or lower rear of mower housing by adjusting the right rear lift link.

- To raise rear of mower housing, loosen upper trunnion nut and tighten lower trunnion nut.
- To lower rear of mower housing, loosen the lower trunnion nut and tighten upper trunnion nut.
- Recheck side-to-side adjustment.

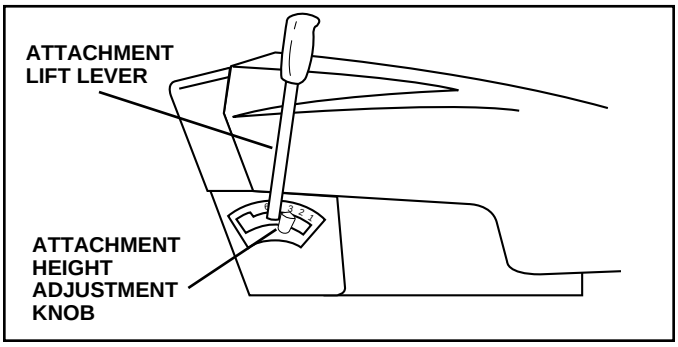


FIG. 20

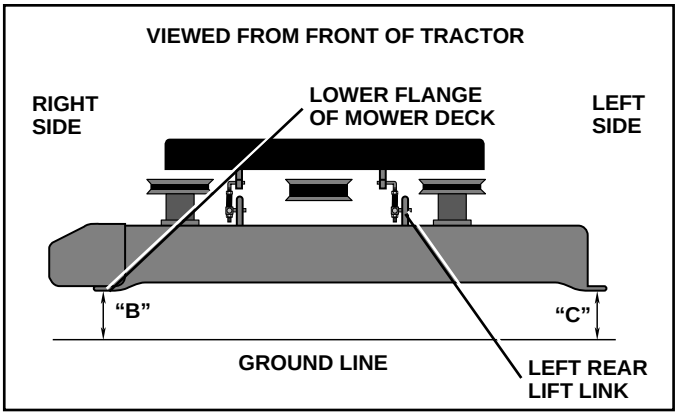


FIG. 21

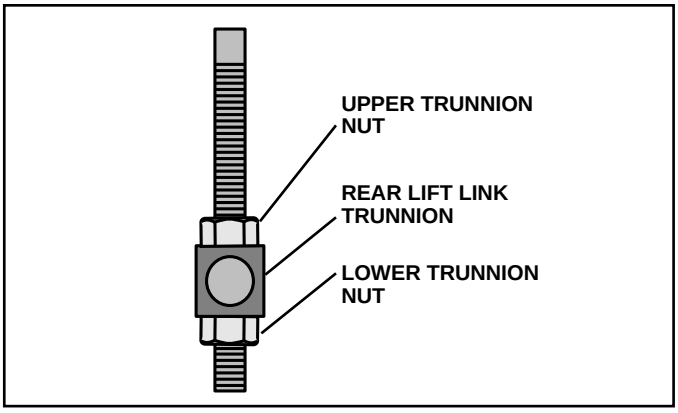


FIG. 22

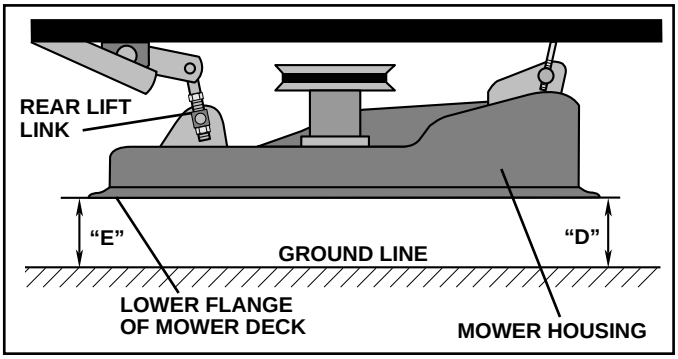


FIG. 23

SERVICE AND ADJUSTMENTS

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.

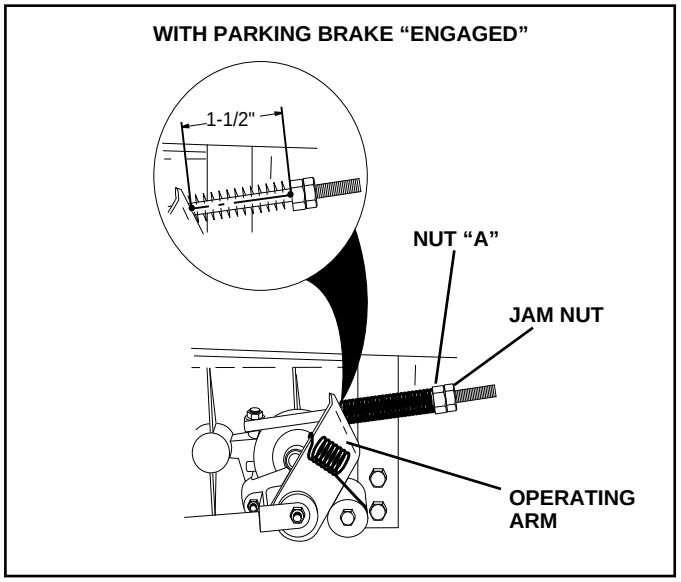


FIG. 24

TO REPLACE MOTION DRIVE BELT (See Fig. 25)

The tractor drive belt may be replaced without tools. Park the tractor on level area. Engage parking brake. For assistance, there is a belt installation guide decal on bottom side of left footrest.

- Engage parking brake.
- Lower attachment lift lever to “lowest” position.
- Turn front wheels fully to left or right.
- Disconnect mower drive belt at engine pulley.
- Disconnect motion drive belt at clutching idler.
- Disconnect motion drive belt at transaxle. Push above transaxle pulley.
- Disconnect motion drive belt at frame belt keeper.
- Disconnect motion drive belt at engine pulley. Thread belt below mower drive sheave and through engine belt keeper and engine pulley.
- Remove belt.
- Install new belt by reversing above procedure.
- Make sure that belt is inside all belt keepers.

IMPORTANT: REPLACE ONLY WITH SPECIFIED BY ORIGINAL EQUIPMENT MANUFACTURER.

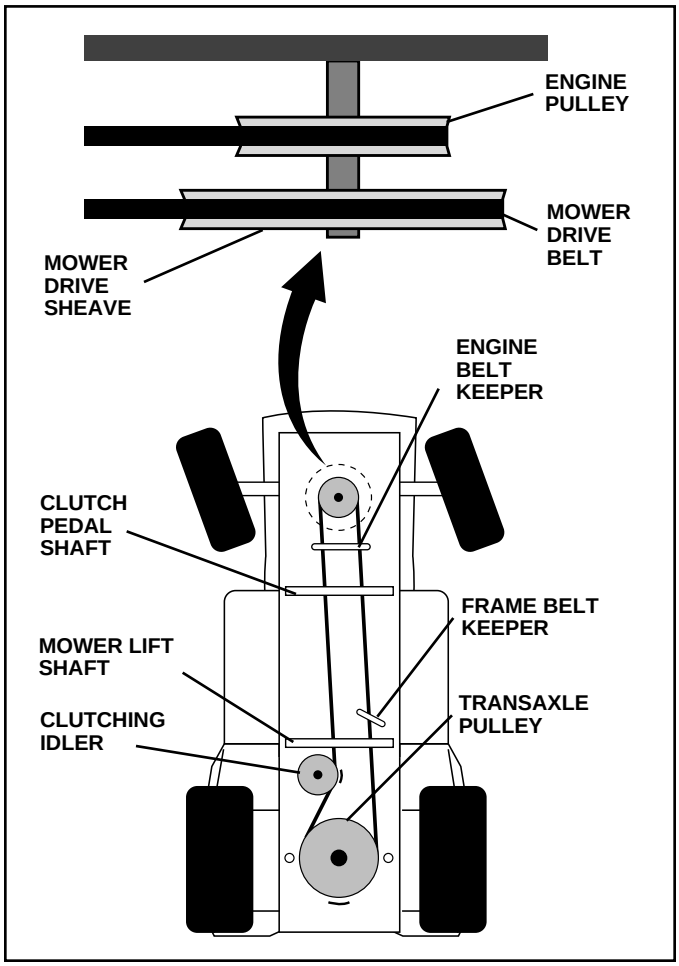


FIG. 25

SERVICE AND ADJUSTMENTS

TO ADJUST STEERING WHEEL ALIGNMENT

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

FRONT WHEEL TOE-IN/CAMBER

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

TO REMOVE WHEEL FOR REPAIRS (See Fig. 26)

- 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.

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

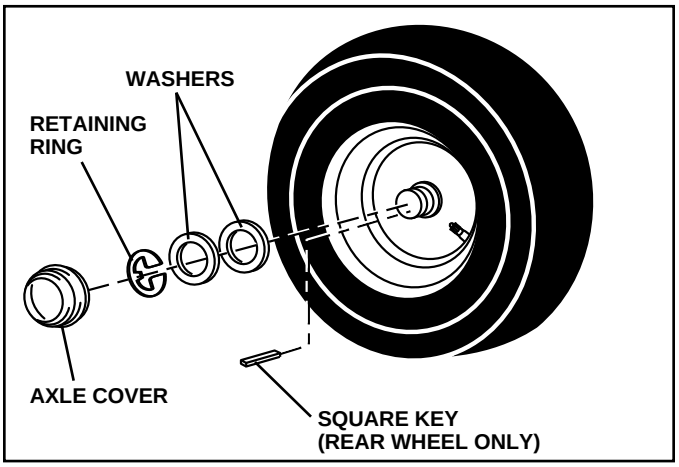


FIG. 26

TO START ENGINE WITH A WEAK BATTERY (See Fig. 27)

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. (See "BATTERY" in the CUSTOMER RESPONSIBILITIES section of this manual).

If "jumper cables" are used for emergency starting, follow this procedure:

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

TO ATTACH JUMPER CABLES -

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

TO REMOVE CABLES, REVERSE ORDER -

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

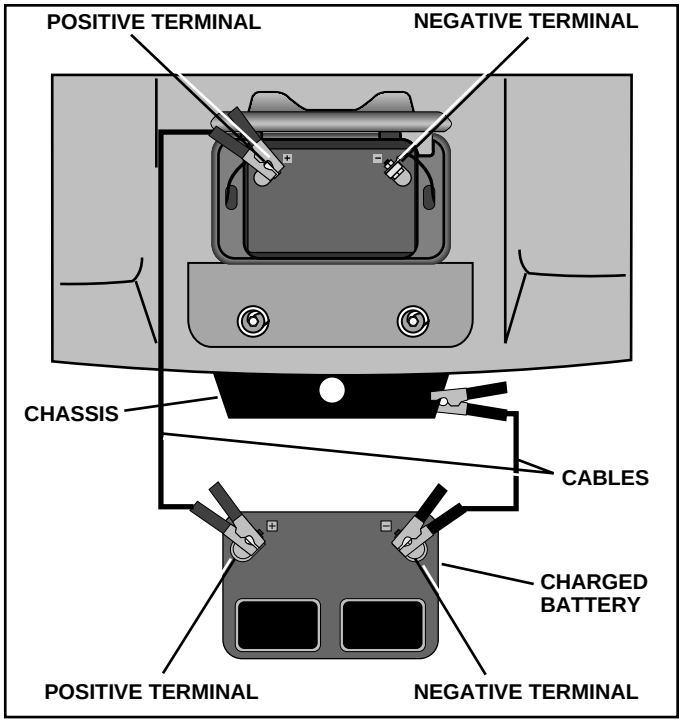


FIG. 27

SERVICE AND ADJUSTMENTS

REPLACING BATTERY (See Fig. 28 and 29)

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

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

- Lift seat pan to raised position and open battery box door.
- Disconnect BLACK battery cable first then RED battery cable and carefully remove battery from tractor.
- Install new battery with terminals in same position as old battery.
- First connect RED battery cable to positive (+) terminal with hex bolt and keps nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) terminal with remaining hex bolt and keps nut. Tighten securely.
- Close battery box door.

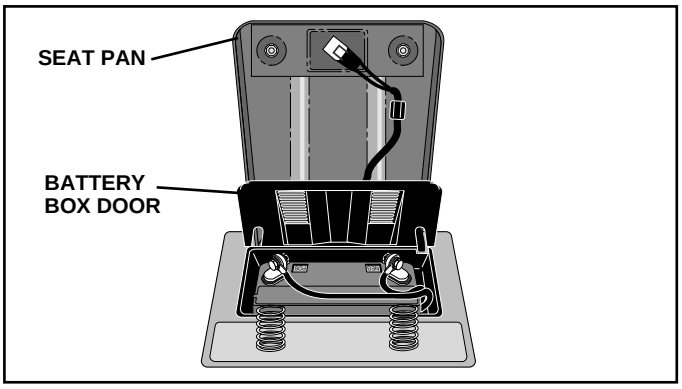


FIG. 28

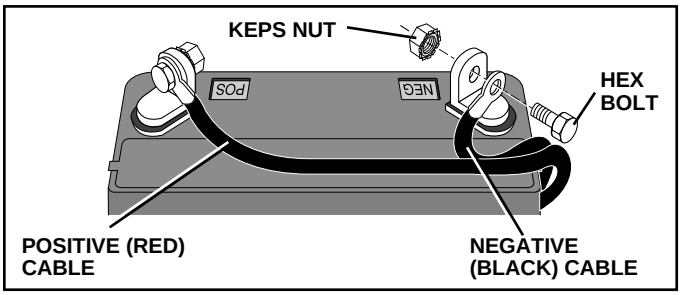


FIG. 29

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 the electrical wiring diagram in the Repair Parts section.

TO REPLACE FUSE

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located next to the battery box, accessible from left rear wheel area.

TO REMOVE HOOD (See Fig 30)

- With hood closed, remove hood spring from hole in pivot bracket.
- Remove left side and right side pivot screws.
- Lift hood off tractor.
- To reassemble hood, reverse above procedure.

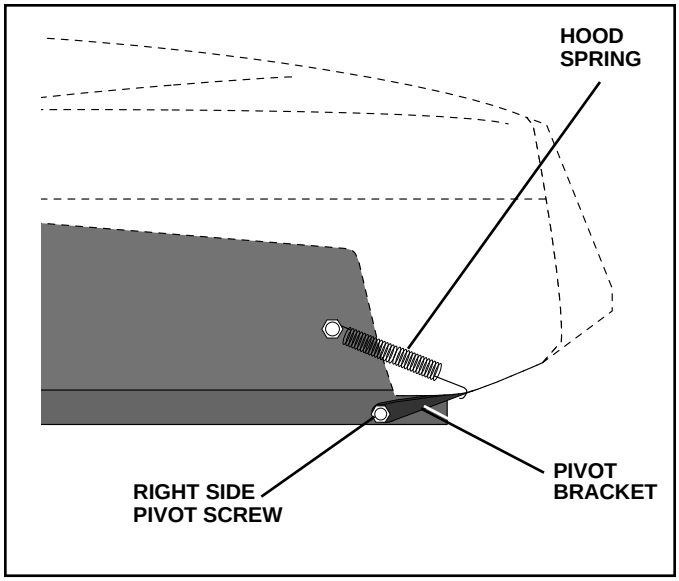


FIG. 30

ENGINE

TO ADJUST CARBURETOR

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, see engine manual.

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

STORAGE

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



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

TRACTOR

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

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

BATTERY

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

ENGINE

FUEL SYSTEM

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

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

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

ENGINE OIL

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

CYLINDER(S)

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

OTHER

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

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

TROUBLESHOOTING POINTS

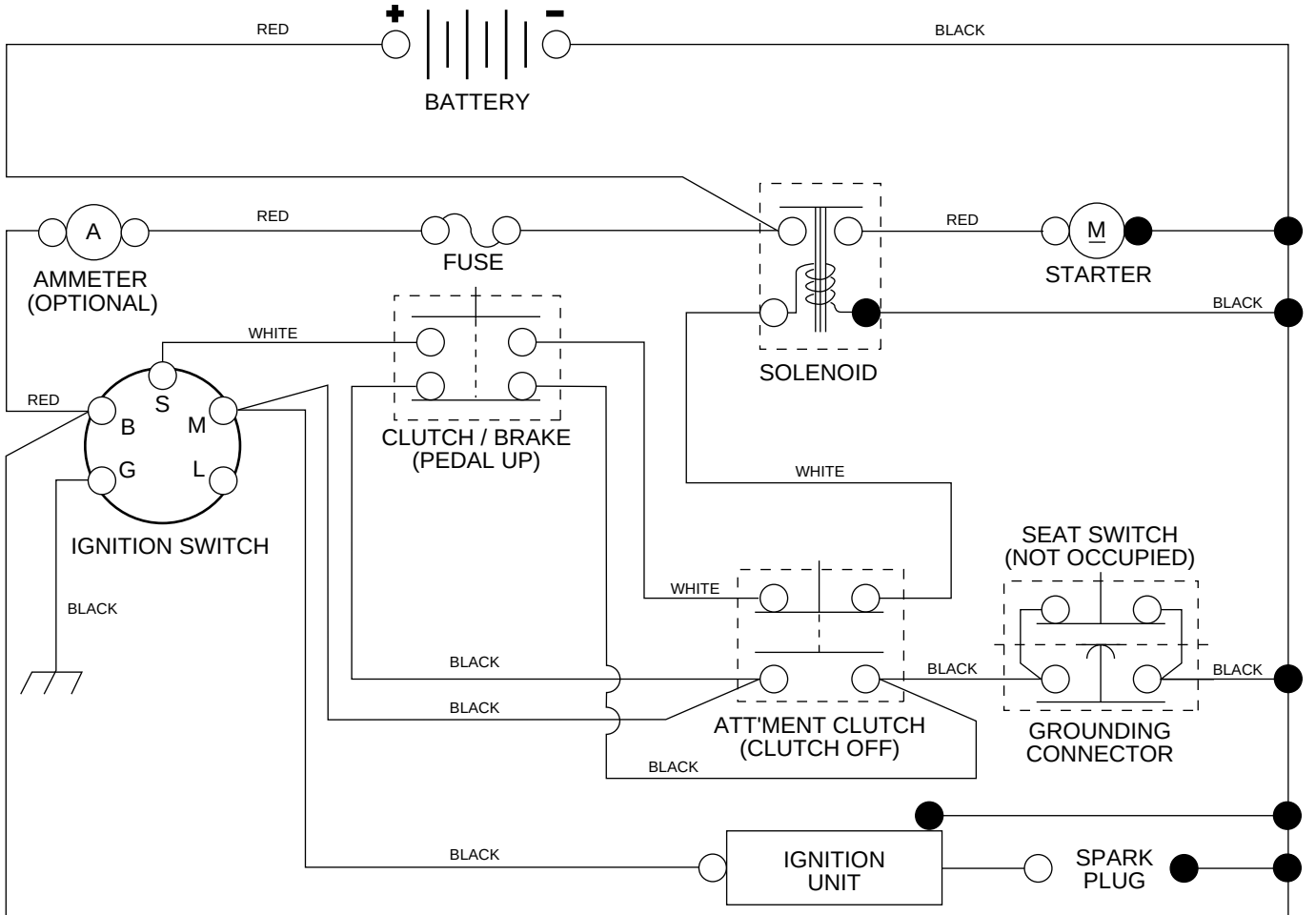
PROBLEM	CAUSE	CORRECTION
Will not start	1. Out of fuel. 2. Engine not “CHOKED” properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment. 10. Engine valves out of adjustment.	1. Fill fuel tank. 2. See “TO START ENGINE” in Operation section. 3. Wait several minutes before attempting to start. 4. Replace spark plug. 5. Clean/replace air filter. 6. Replace fuel filter. 7. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 8. Check all wiring. 9. See “To Adjust Carburetor” in Service Adjustments section. 10. Contact an authorized service center/department.
Hard to start	1. Dirty air filter. 2. Bad spark plug. 3. Weak or dead battery. 4. Dirty fuel filter. 5. Stale or dirty fuel. 6. Loose or damaged wiring. 7. Carburetor out of adjustment. 8. Engine valves out of adjustment.	1. Clean/replace air filter. 2. Replace spark plug. 3. Recharge or replace battery. 4. Replace fuel filter. 5. Drain fuel tank and refill with fresh gasoline. 6. Check all wiring. 7. See “To Adjust Carburetor” in Service Adjustments section. 8. Contact an authorized service center/department.
Engine will not turn over	1. Clutch/brake pedal not depressed. 2. Attachment clutch is engaged. 3. Weak or dead battery. 4. Blown fuse. 5. Corroded battery terminals. 6. Loose or damaged wiring. 7. Faulty ignition switch. 8. Faulty solenoid or starter. 9. Faulty operator presence switch(es).	1. Depress clutch/brake pedal. 2. Disengage attachment clutch. 3. Recharge or replace battery. 4. Replace fuse. 5. Clean battery terminals. 6. Check all wiring. 7. Check/replace ignition switch. 8. Check/replace solenoid or starter. 9. Contact an authorized service center/department.
Engine clicks but will not start	1. Weak or dead battery. 2. Corroded battery terminals. 3. Loose or damaged wiring. 4. Faulty solenoid or starter.	1. Recharge or replace battery. 2. Clean battery terminals. 3. Check all wiring. 4. Check/replace solenoid or starter.
Loss of power	1. Cutting too much grass/too fast. 2. Throttle in “CHOKE” position. 3. Build-up of grass, leaves and trash under mower. 4. Dirty air filter. 5. Low oil level/dirty oil. 6. Faulty spark plug. 7. Dirty fuel filter. 8. Stale or dirty fuel. 9. Water in fuel. 10. Spark plug wire loose. 11. Dirty engine air screen/fins. 12. Dirty/clogged muffler. 13. Loose or damaged wiring. 14. Carburetor out of adjustment. 15. Engine valves out of adjustment.	1. Set in “Higher Cut” position/reduce speed. 2. Adjust throttle control. 3. Clean underside of mower housing. 4. Clean/replace air filter. 5. Check oil level/change oil. 6. Clean and regap or change spark plug. 7. Replace fuel filter. 8. Drain fuel tank and refill with fresh gasoline. 9. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 10. Connect and tighten spark plug wire. 11. Clean engine air screen/fins. 12. Clean/replace muffler. 13. Check all wiring. 14. See “To Adjust Carburetor” in Service Adjustments section. 15. Contact an authorized service center/department.
Excessive vibration	1. Worn, bent or loose blade. 2. Bent blade mandrel. 3. Loose/damaged part(s).	1. Replace blade. Tighten blade bolt. 2. Replace blade mandrel. 3. Tighten loose part(s). Replace damaged parts.

TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Engine continues to run when operator leaves seat with attachment clutch engaged	1. Faulty operator-safety presence control system.	1. Check wiring, switches and connections. If not corrected, contact an authorized service center/ department.
Poor cut - uneven	1. Worn, bent or loose blade. 2. Mower deck not level. 3. Buildup of grass, leaves, and trash under mower. 4. Bent blade mandrel. 5. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1. Replace blade. Tighten blade bolt. 2. Level mower deck. 3. Clean underside of mower housing. 4. Replace blade mandrel. 5. Clean around mandrels to open vent holes.
Mower blades will not rotate	1. Obstruction in clutch mechanism. 2. Worn/damaged mower drive belt. 3. Frozen idler pulley. 4. Frozen blade mandrel.	1. Remove obstruction. 2. Replace mower drive belt. 3. Replace idler pulley. 4. Replace blade mandrel.
Poor grass discharge	1. Engine speed too slow. 2. Travel speed too fast. 3. Wet grass. 4. Mower deck not level. 5. Low/uneven tire air pressure. 6. Worn, bent or loose blade. 7. Buildup of grass, leaves and trash under mower. 8. Mower drive belt worn. 9. Blades improperly installed. 10. Improper blades used. 11. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1. Place throttle control in “FAST” position. 2. Shift to slower speed. 3. Allow grass to dry before mowing. 4. Level mower deck. 5. Check tires for proper air pressure. 6. Replace/sharpen blade. Tighten blade bolt. 7. Clean underside of mower housing. 8. Replace mower drive belt. 9. Reinstall blades sharp edge down. 10. Replace with blades listed in this manual. 11. Clean around mandrels to open vent holes.
Headlight(s) not working (if so equipped)	1. Switch is “OFF”. 2. Bulb(s) burned out. 3. Faulty light switch. 4. Loose or damaged wiring. 5. Blown fuse.	1. Turn switch “ON”. 2. Replace bulb(s). 3. Check/replace light switch. 4. Check wiring and connections. 5. Replace fuse.
Battery will not charge	1. Bad battery cell(s). 2. Poor cable connections. 3. Faulty regulator (if so equipped). 4. Faulty alternator.	1. Replace battery. 2. Check/clean all connections. 3. Replace regulator. 4. Replace alternator.
Engine “backfires” when turning engine “OFF”	1. Engine throttle control not set at “SLOW” position for 30 seconds before stopping engine.	1. Move throttle control to “SLOW” position and allow to idle for 30 seconds before stopping engine.

TRACTOR - - MODEL NUMBER LR122 (954140014B)

SCHEMATIC



IGNITION SWITCH

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

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.

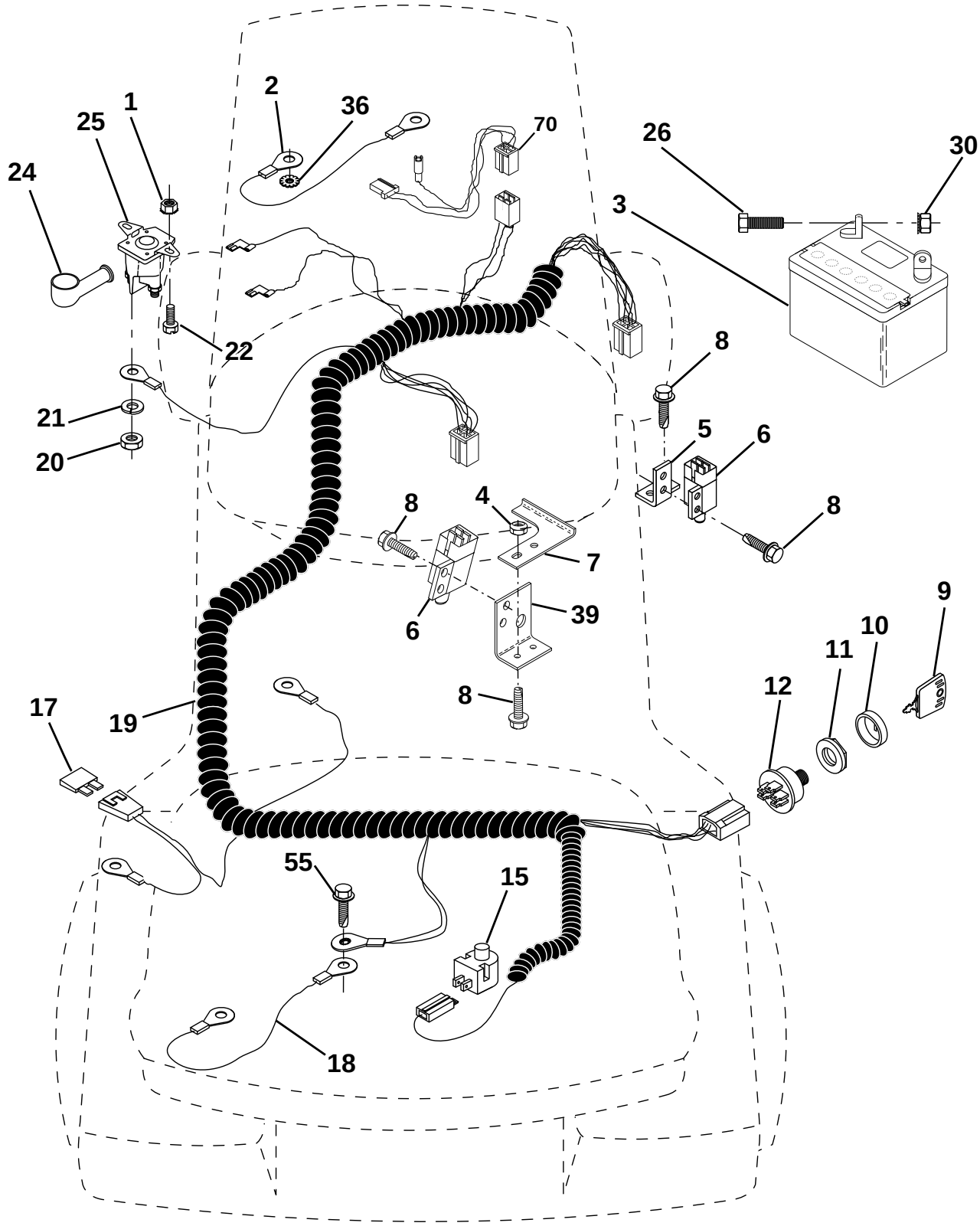
NON-REMOVABLE CONNECTIONS

REMOVABLE CONNECTIONS

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

ELECTRICAL



REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION
1	873640400	Nut, Hex Keps 1/4-20
2	532108423	Assembly, Cable
3	532144924	Battery
4	532069180	Nut, Lock #10-24 UNC
5	532108236	Bracket, Switch
6	532109553	Switch, Interlock (4-terminal)
7	532146374	Keeper Actuator
8	817021008	Screw, Hex Hd. Tap #10-24 x 1/2
9	532140402	Key, Steel Delta
10	532141226	Cover, Key Ignition
11	532140400	Nut, Ignition
12	532163088	Switch, Ignition
15	532121305	Switch, Plunger
17	532166180	Fuse
18	532128353	Assembly, Cable
19	532166143	Harness, Ignition
20	873350400	Nut, Hex Jam 1/4-20
21	810090400	Washer, Lock 1/4
22	871110408	Bolt, Fin. Hex 1/4-20 UNC x 1/2 Gr. 5
24	532131563	Cover, Terminal
25	532145673	Solenoid
26	874760412	Bolt, Hex Hd. 1/4-20 UNC x 3/4
30	**873510400**	Nut, Keps Hex 1/4-20 UNC
36	811150400	Washer, Lock Inter. Tooth 1/4
39	532141735	Bracket, Switch Clutch
55	817490508	Screw Thdrol 5/16-18 x 1/2
70	532166658	Harness, Engine

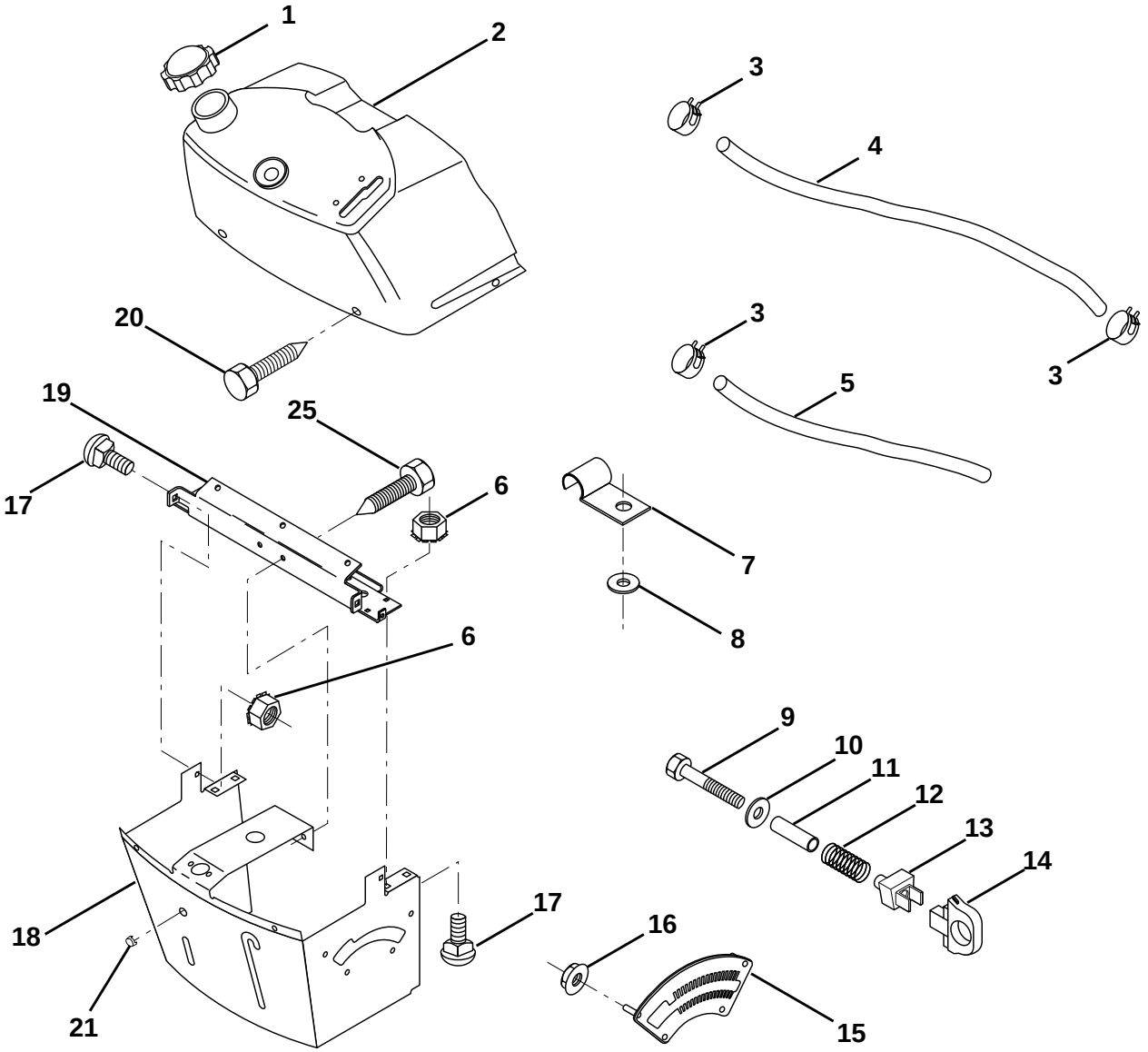
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

DASH



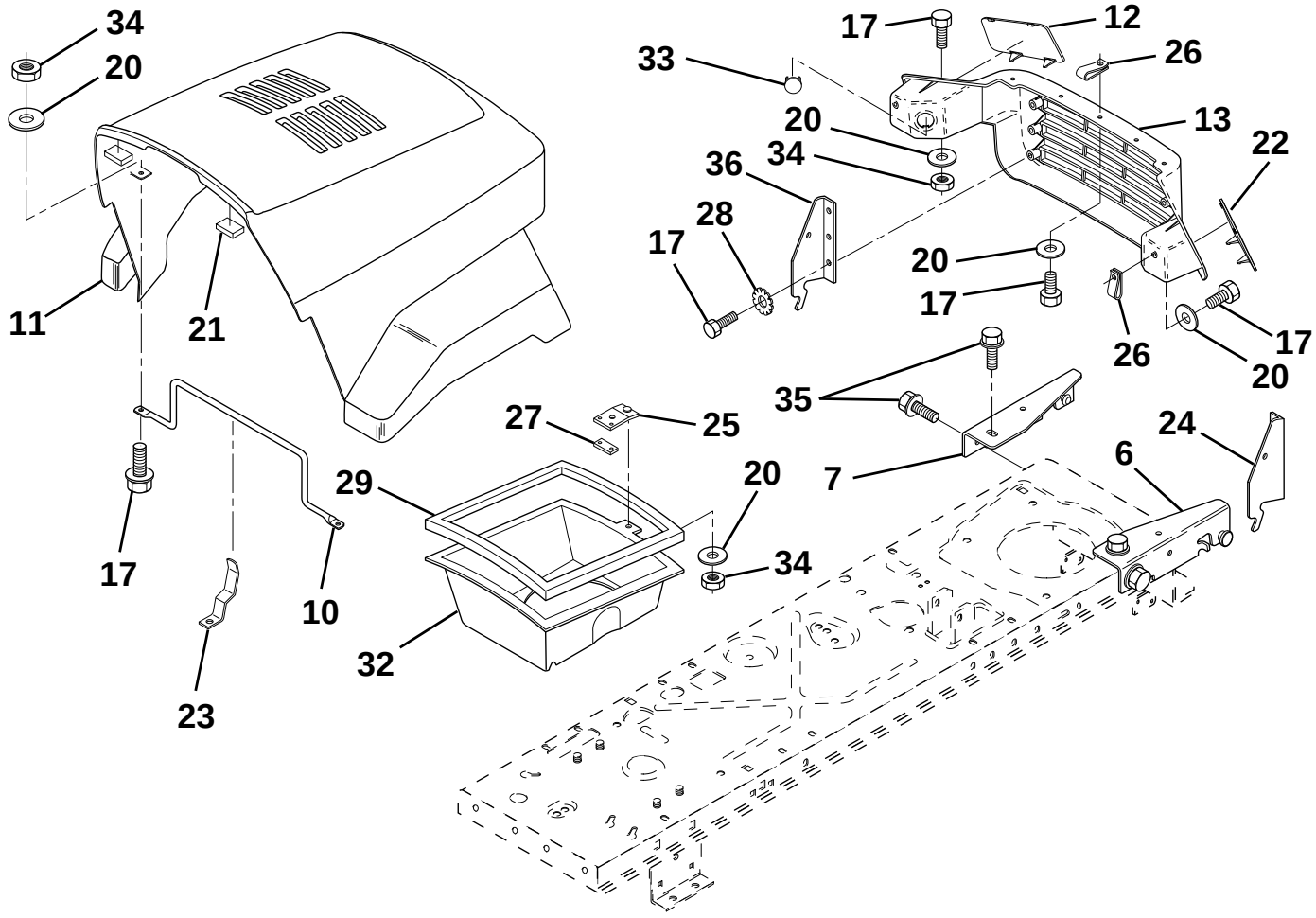
KEY NO.	PART NO.	DESCRIPTION
1	532142187	Cap, Fuel
2	532138394	Assembly, Dash & Fuel Tank
3	532123487	Clamp, Hose
4	532008544	Line, Fuel
5	532008548	Line, Fuel
6	873640400	Nut, Hex, Keps 1/4-20
7	532124996	Clip, Fuel Line
8	819091216	Washer 9/32 x 3/4 x 16 Ga.
9	874760428	Bolt, Hex, Fin 1/4-20 x 1-3/4
10	819091413	Washer 11/32 x 11/16 x 16 Ga.
11	532121249	Spacer, Split
12	532003720	Spring
13	532126450	Clip, Height Adjustment
14	532126115	Knob, Height Stop
15	532122023	Adjustment, Quadrant Height
16	532124346	Nut, Self-Threading 3/16-18
17	872110404	Bolt, Carriage 1/4-20 x 1/2 Gr. 5
18	532130745	Support Assembly, Dash
19	532134744	Brace, Cross
20	817060408	Screw, Self-Tapping 1/4-20 x 1/2
21	532134014	Plug Dome Black
25	**817720410**	Screw Hex Thd Cut 1/4-20 x 5/8

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

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

HOOD



KEY NO.	PART NO.	DESCRIPTION
6	532140051	Bracket Asm. Pivot Hood RH
7	532140050	Bracket Asm. Pivot Hood LH
10	532130850	Brace Hood
11	532165791	Hood
12	532165794	Lens LH
13	532165792	Grille
17	874780410	Bolt Fin Hex 1/4-20 x 5/8
20	819091016	Washer, Flat 1/4
21	532126938	Bumper Hood
22	532165793	Lens RH
23	532139969	Latch Hood
24	532142873	Bracket Pivot Hood RH

KEY NO.	PART NO.	DESCRIPTION
25	532131028	Clip Tinnerman
26	532052921	Clip Tinnerman
27	532131037	Clip Asm Duct
28	811050400	Washer Lock Ext. Tooth
29	532120537	Strip Foam
32	532123840	Duct, Air Hood
33	532131319	Plug Socket Light
34	873680400	Nut, Crownlock 1/4-20
35	817490512	Screw Thdrol 5/16-28 x 3/4
36	532128445	Bracket Pivot Hood LH

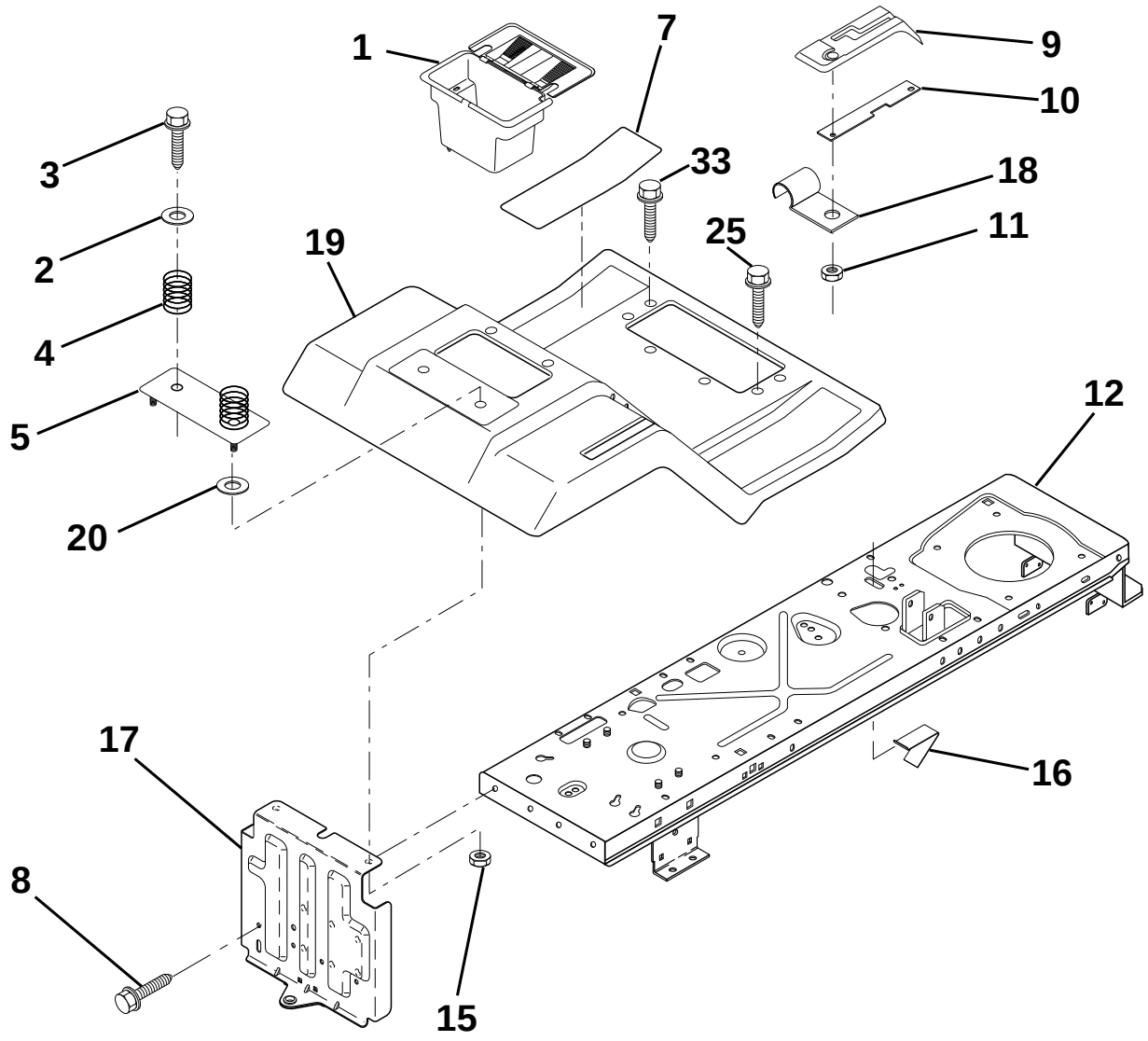
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

FENDER / CHASSIS



KEY NO.	PART NO.	DESCRIPTION
1	532156417	Case, Battery
2	819132012	Washer 13/32 x 1-1/4 x 12 Ga.
3	817490612	Screw, Hex Wsh. Thrdrol. 3/8-16 x 3/4
4	532124181	Spring, Compression, Seat
5	532125142	Plate, Asm. Battery
7	532124144	Pad, Footrest
8	817490512	Screw, Hex Wsh Thdrol. 5/16-18 x 3/4
9	**532167724**	Console, Shift Control
10	532139783	Bar, Shift Lock
11	532124346	Nut, Self-Thrd., Wsh. Head 3/16
12	532145190	Assembly, Frame
15	873640400	Nut, Keps Hex 1/4-20 UNC
16	532141736	Switch Actuato
17	532140782	Drawbar
18	532126470	Clip, Insulated
19	532141393	Fender/Footrest
20	819091413	Washer 9/32 x 7/8 x 13 Ga.
25	**817060514**	Screw Tapping 5/16-18
33	**817190516**	Screw Hex Wsh Thdroll 5/16-18 x 1

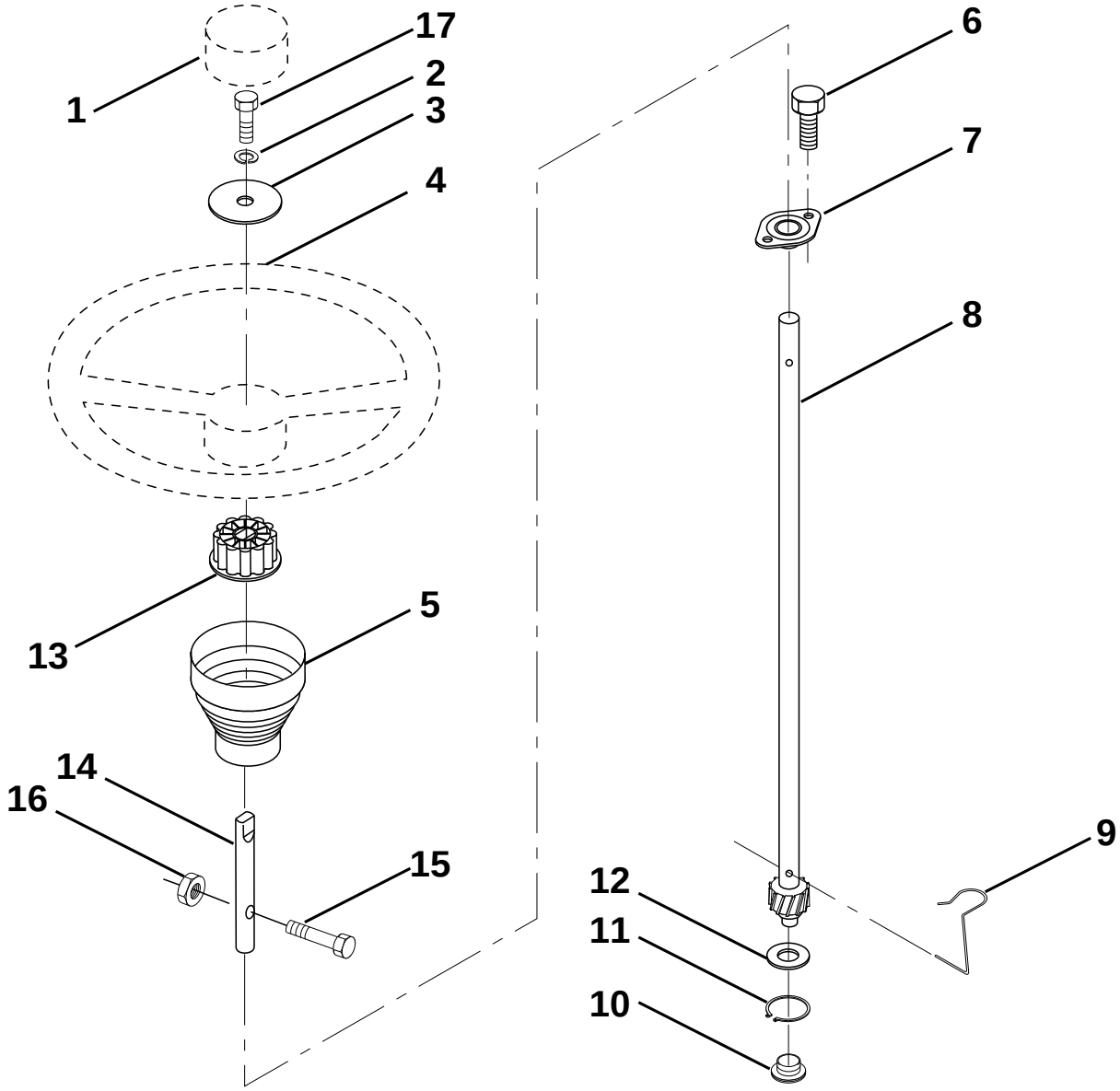
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

STEERING WHEEL



KEY NO.	PART NO.	DESCRIPTION
1	532124416	Insert, Wheel, Steering
2	810040600	Washer, Lock hvy HLCL SPR 3/8
3	819133808	Washer 12/32 x 2-3/8 x 8 Ga.
4	532124415	Wheel, Steering
5	532127396	Sleeve, Steering
6	532152927	Screw, TT #10-32.5.3/8 flange
7	532155104	Bushing, Steering
8	532147391	Shaft, Steering
9	532124210	Clip, Steering
10	532123438	Bushing, Lower, Steering
11	812000045	Ring, Retaining
12	819211616	Washer 21/32 x 1 x 16 Ga.
13	532100711	Adaptor, Wheel, Steering
14	532153720	Extension shaft steering
15	874780520	Bolt Fin Hex 5/16-18 UNC x 1-1/4
16	873800500	Nut Lock Hex W/Ins. 5/16-18 UNC
17	874780616	Bolt fin Hex 3/8-16 UNC x 1. Gr. 5

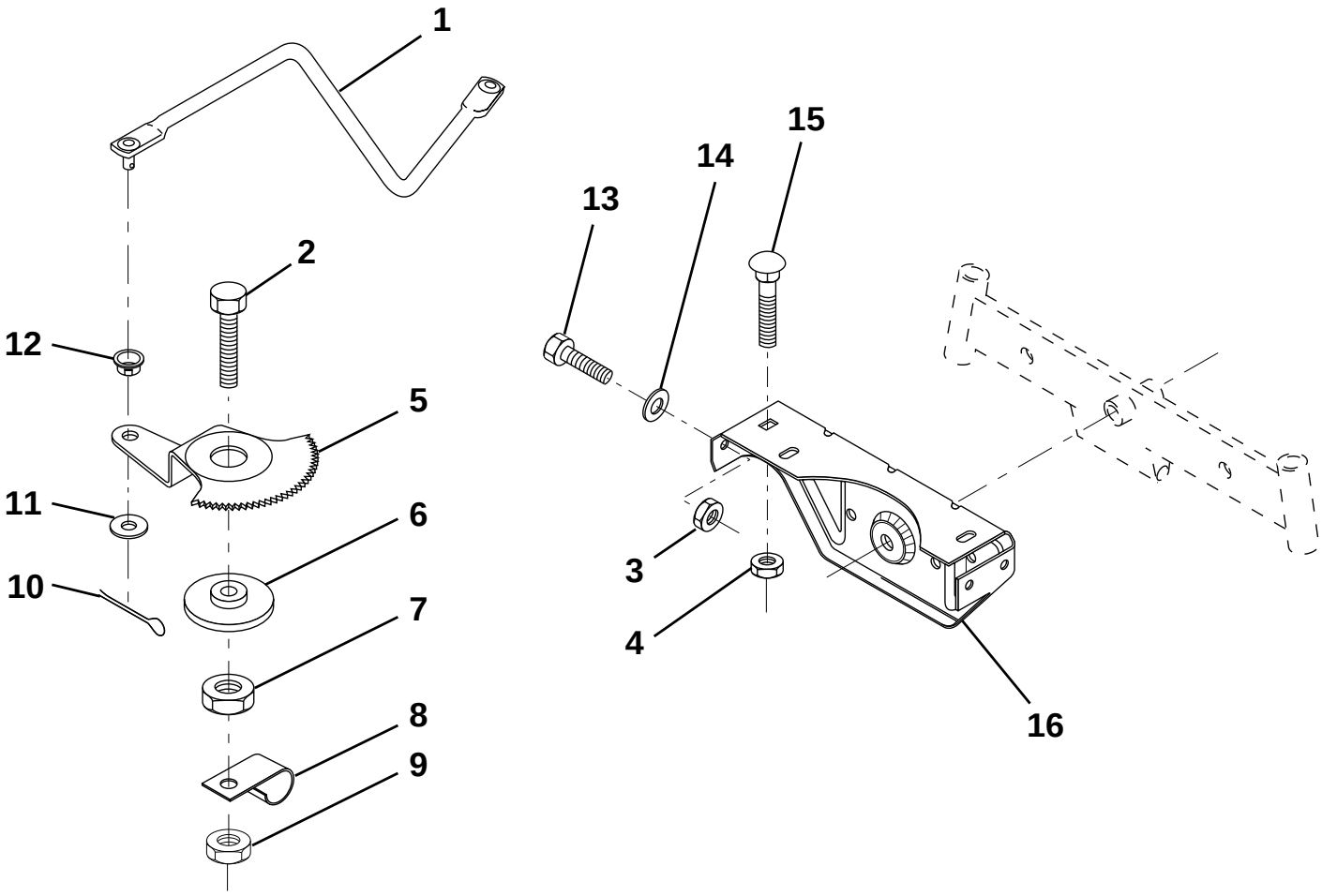
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

SECTOR GEAR / AXLE SUPPORT



KEY NO.	PART NO.	DESCRIPTION
1	532132566	Link, Drag
2	874780828	Bolt, Fin Hex 1/2-13 x 1-3/4
3	873680500	Nut, Crownlock 5/16-18
4	873680600	Nut, Crownlock 3/8-16 UNC
5	532121926	Gear, Sector
6	532121927	Bushing
7	873030800	Nut, Heavy Hex Top Lock 1/2-13 UNC
8	532126472	Clip, Insulated
9	873680800	Nut, Crownlock 3/8-16
10	876020412	Pin, Cotter 1/8 x 3/4
11	819131316	Washer, 13/32 x 13/16 x 16 Ga.
12	532126847	Bushing
13	874760512	Bolt, Hex Hd. 5/16-18 UNC x 3/4
14	819111416	Washer 11/32 x 7/8 x 16 Ga.
15	872110606	Bolt, Carriage 3/8-16 UNC x 3/4
16	532137096	Support, Front Axle

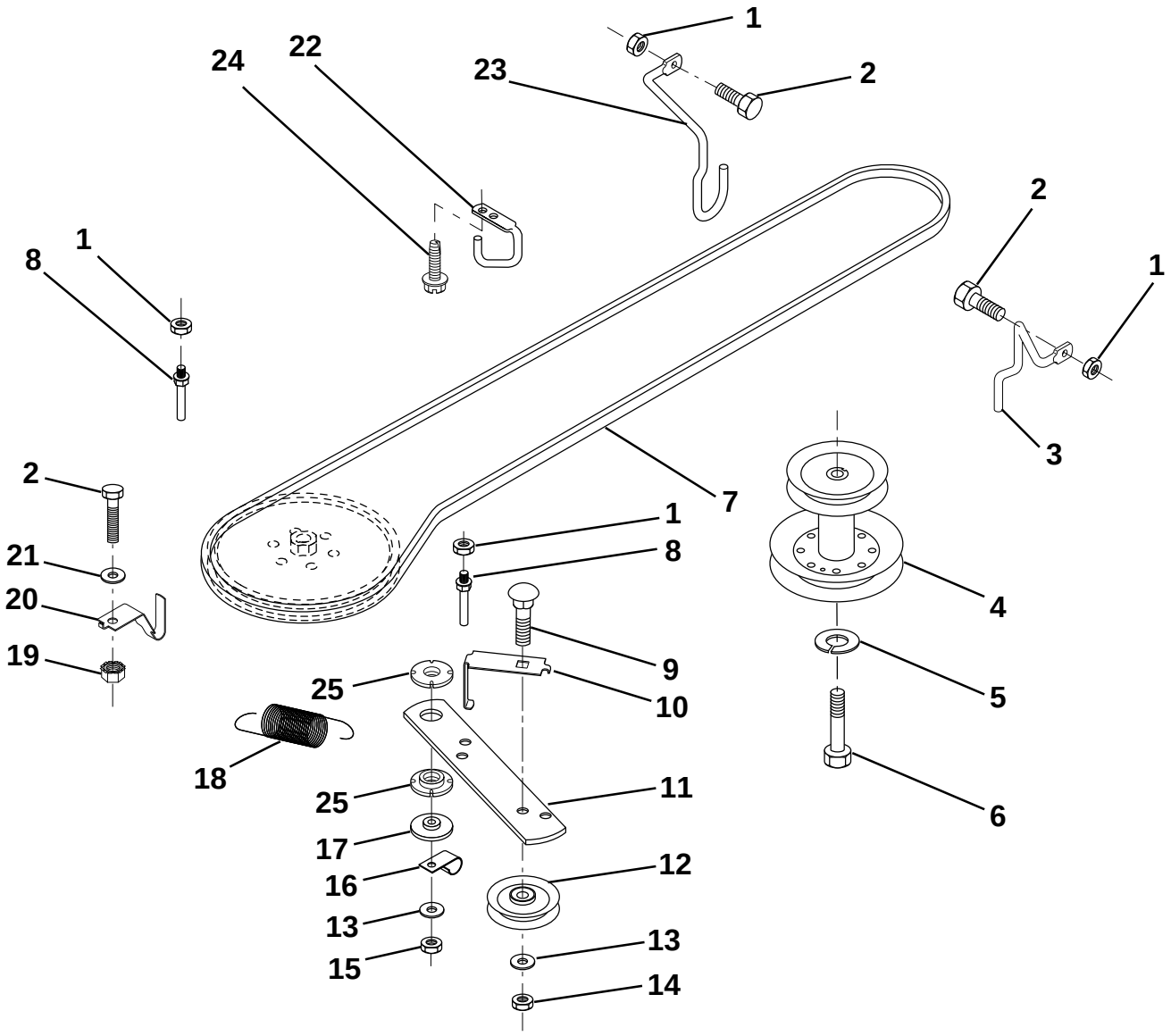
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1 inch = 25.4 mm

HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

GROUND DRIVE



KEY NO.	PART NO.	DESCRIPTION
1	873680500	Nut, Crownlock 5/16-18
2	874760512	Bolt, Hex Hd 5/16-18 UNC x 3/4
3	532141342	Keeper,Mower Drive, R. H.
4	532138029	Pulley, Engine
5	810040700	Washer, Lock 7/16
6	871170744	Bolt Hex 7/16-20 Gr. 5
7	**532126520**	Traction, V-Belt Drive
8	532123405	Keeper, T/A Ground Drive Belt
9	872140612	Bolt, Carr. 3/8-16 UNC x 1-1/2
10	532123396	Keeper, Belt Ground Drive Idler
11	532150926	Arm, Ground Drive Clutch
12	532123674	Idler, Flat
13	819131316	Washer 13/32 x 13/16 x 16 Ga.
14	873930600	Nut, Centerlock 3/8-16 UNC

KEY NO.	PART NO.	DESCRIPTION
15	873680600	Nut, Crownlock 3/8-16 UNC
16	532126471	Clip, Insulated
17	532150932	Spacer, Retainer
18	532131459	Spring Extension
19	873510500	Nut, Keps 5/16-18 UNC
20	532139919	Keeper, T/A Ground Drive Belt
21	819111016	Washer 11/32 x 5/8 x 16 Ga.
22	532123404	Keeper, Frame Ground Drive Belt
23	532140916	Keeper, Mower Drive, L. H.
24	817720408	Screw, Thd. Cut 1/4-20 x 1/2
25	532150935	Bushing Nylon Collered

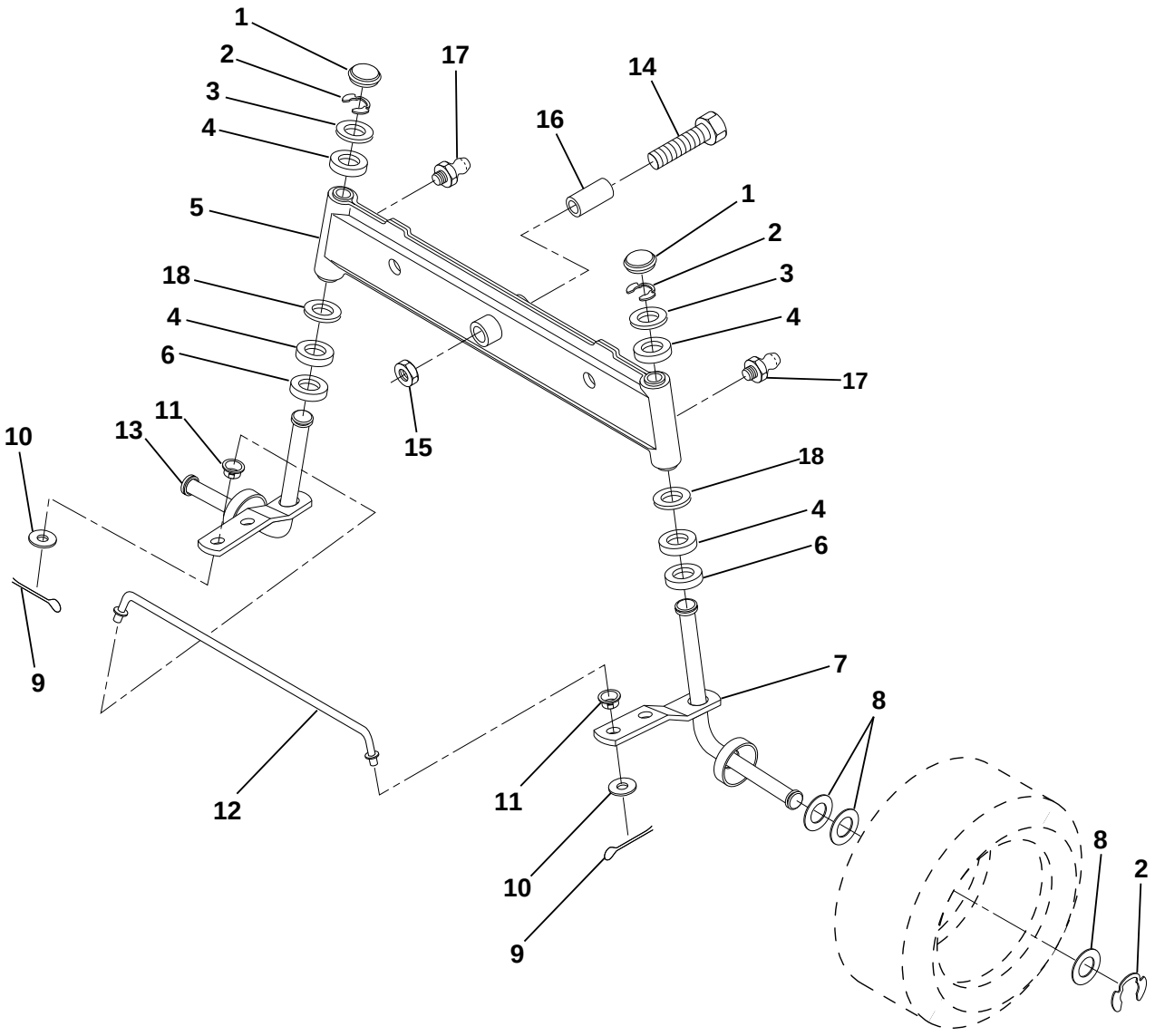
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

FRONT AXLE



KEY NO.	PART NO.	DESCRIPTION
1	532121232	Cap, Spindle
2	812000029	Ring, Clip
3	532121748	Washer 25/32 x 1-5/8 x 16 Ga.
4	532124937	Nyliner
5	532142033	Axle, Front
6	532124931	Bearing, Thrust
7	532161826	Spindle, R.H. Asm.
8	532121749	Washer 25/32 x 1-1/4 x 16 Ga.
9	876020412	Pin, Cotter 1/8 x 3/4
10	819131316	Washer 13/32 x 13/16 x 16 Ga.
11	532126847	Bushing
12	532130465	Rod, Tie
13	532161827	Spindle, L.H. Asm.
14	874011056	Bolt Hex 5/1-11 x 3-1/2
15	873901000	Nut, Lock Flange 5/8-11
16	532110438	Spacer, Bearing Axle
17	532124836	Fitting, Grease
18	819272016	Washer 27/32 x 1-1/4 x 16 Ga.

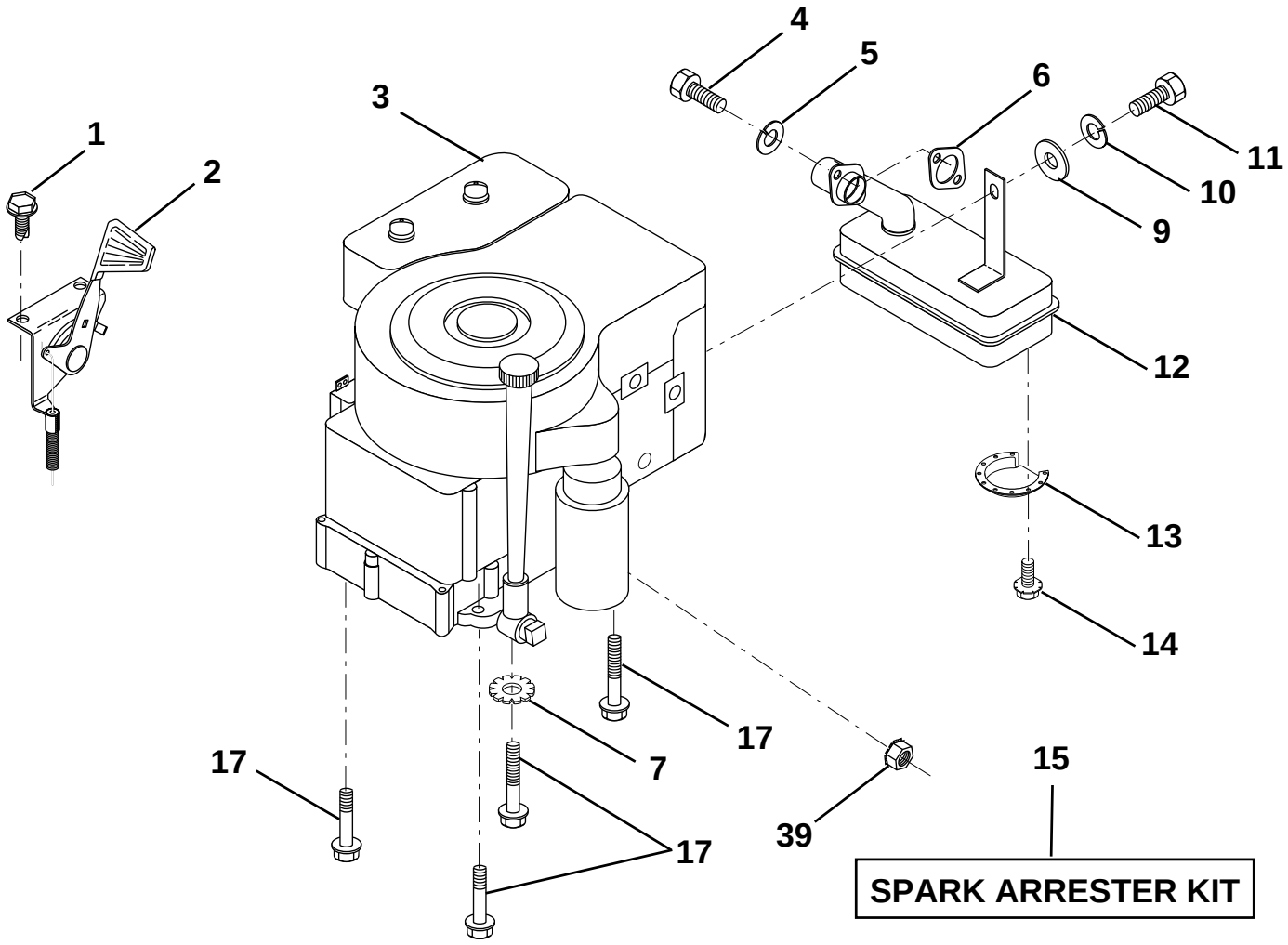
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

ENGINE



KEY NO.	PART NO.	DESCRIPTION
1	**817720410**	Screw, Hex Thd. Cut 1/4-20 x 5/8
2	532132752	Control, Throttle
3	- - - - - - - -	Engine, Briggs Model 289707 (Order Parts From Engine Manufacturer)
4	871070512	Screw, Hex, Cap 5/16-18 x 3/4
5	810040500	Washer, Lock Hvy Hcl Spring 5/16
6	532165291	Gasket, Exhaust
7	811050600	Washer Lock Ext. Tooth 3/8
9	819101216	Washer 5/16 x 3/4 x 16
10	810040400	Washer, Lock Hvy Hlcl Spring 1/4
11	- - - - - - - - -	Bolt, Hex Fin. (Order From Eng. Mfg.)
12	532137437	Muffler
13	532101326	Deflector, Muffler
14	817030808	Screw, Spiderlock, Hex Hd 8 x 1/2
15	532137180	Arrester, Spark (Optional equipment)
17	817490624	Screw, Hex Washer Head, Thdrol. 3/8-16 x 1-1/2
39	532128861	Nut, Flange 1/4-20

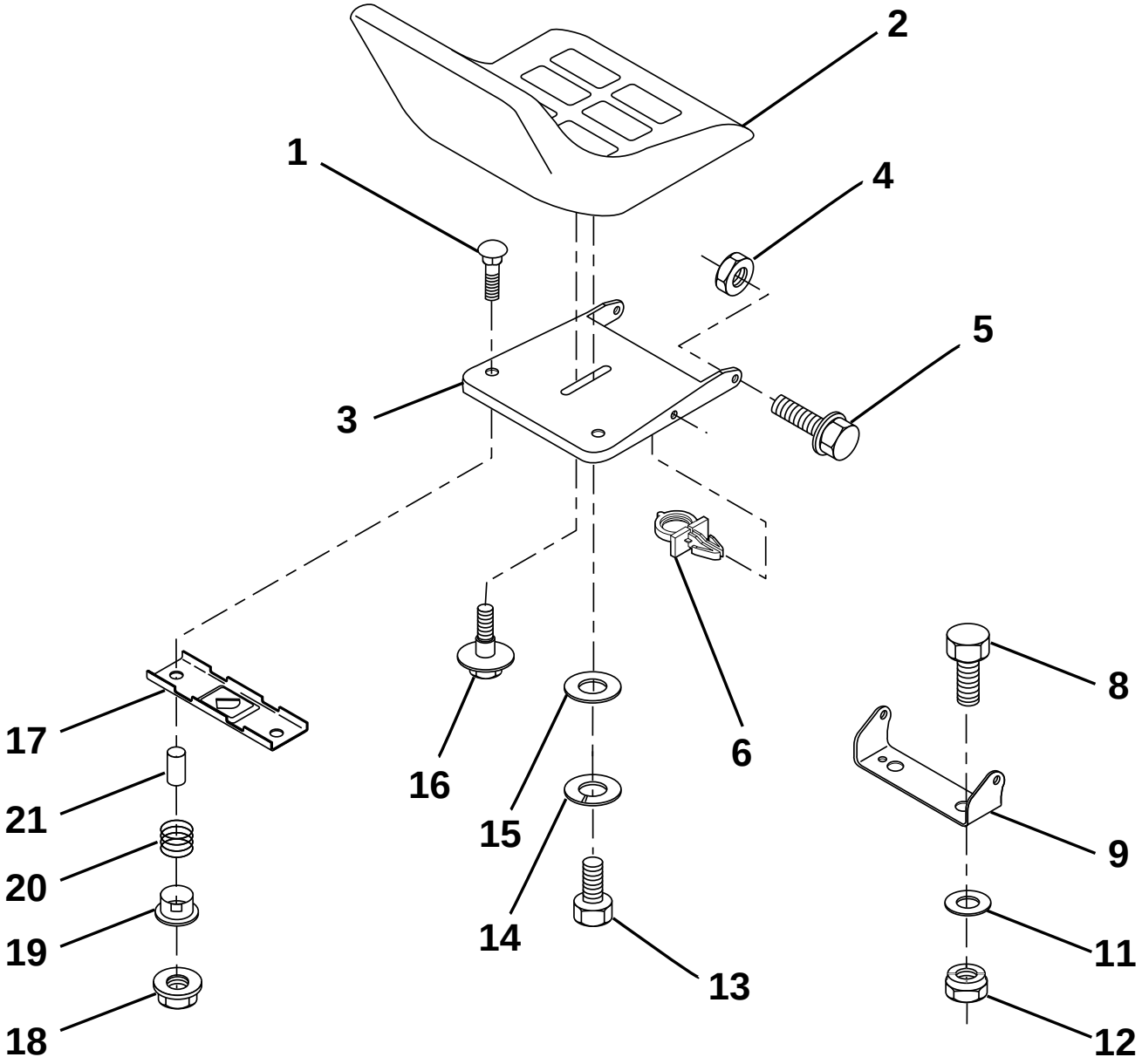
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

SEAT



KEY NO.	PART NO.	DESCRIPTION
1	872050412	Bolt, Carriage 1/4-20 x 1-1/2
2	532140838	Seat
3	532155925	Pan, Seat
4	873800500	Locknut, Hex w/Ins 5/16-18
5	532153236	Bolt, Shoulder 5/16-18 UNC
6	532145006	Clip, Push-in
8	874760616	Bolt, Fin Hex 3/8-16 UNC x 1
9	532140551	Bracket, Pivot Seat
11	819133210	Washer 12/32 x 2 x 10 Ga.
12	873800600	Nut, Lock Hex w/Wsh 3/8-16
13	874780814	Bolt Hex 1/2-13 x 7/8
14	810040800	Washer Lock Hvy. Hlicl Spring 1/2
15	819171912	Washer, 17/32 x 1-3/16 x 12 Ga.
16	532127018	Bolt, Shoulder
17	532121246	Bracket, Switch, Mounting
18	532123976	Nut, Hex Large Flange Lock
19	532121248	Bushing, Snap
20	532121250	Spring, Compression
21	532134300	Spacer, Split 28 Id. x .88 Lg.

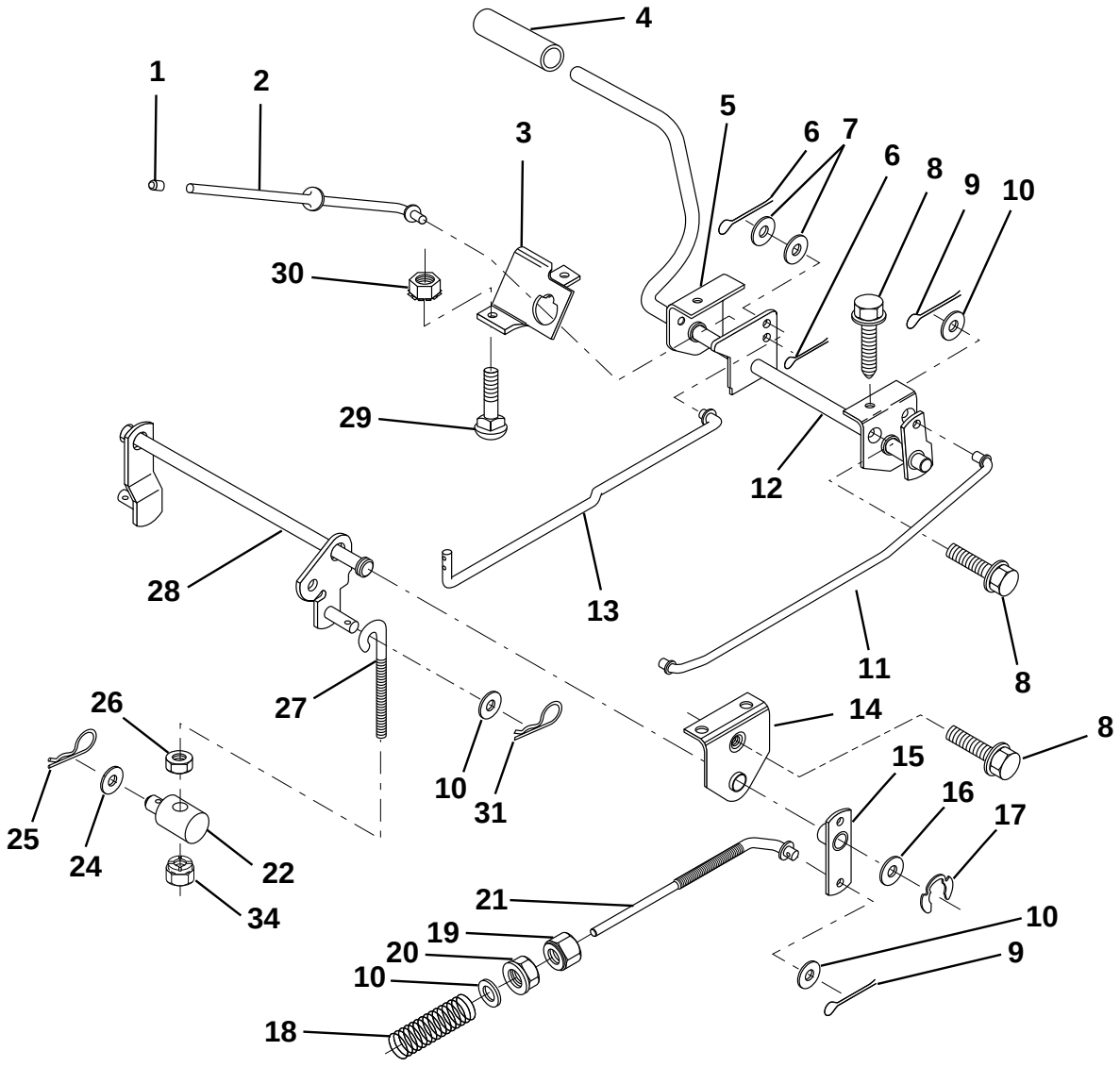
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

BRAKE / REAR MOWER LIFT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION
1	532071673	Cap, Plunger
2	532123436	Rod, Parking Brake
3	532123437	Bracket, Parking Brake
4	532008156	Cover, Pedal
5	532122504	Bracket, Clutch/Brake Pedal, L.H.
6	876020312	Pin, Cotter 3/32 x 3/4
7	819131016	Washer 13/32 x 5/8 x 16 Ga.
8	817490508	Screw, Hex, Thd. Roll. 5/16-18 x 1/2
9	876020412	Pin, Cotter 1/8 x 3/4
10	819131316	Washer 13/32 x 13/16 x 16 Ga.
11	532123543	Rod, Brake Front
12	532139933	Assembly, Clutch/Brake Pedal
13	532123394	Rod, Clutch
14	532121978	Bracket, Lift, Shaft
15	532133332	Assembly, Brake, Pivot, Arm
16	819251816	Washer 25/32 x 1-1/8 x 16 Ga.
17	812000034	Ring, Klip
18	532151332	Spring, Brake Rod
19	873350600	Nut, Hex, Jam 3/8-16 UNC
20	873800600	Nut, Lock, hex. w/Ins. 3/8-16 INC
21	532131460	Rod, Rear Brake
22	532144585	Trunnion, Lift
24	819132012	Washer 13/32 x 1-1/4 x 12 Ga.
25	532124961	Spring, Retainer
26	873930600	Nut, Centerlock 3/8-16 UNC
27	532127369	Link, Threaded
28	532140776	Assembly, Rear Mower Lift
29	872110506	Bolt, Carriage 5/16-18 UNC x 3/4
30	873510500	Nut, Keps 5/16-16 UNC
31	532124660	Retainer Spring
34	873680600	Nut, Crownlock 3/8-16 UNC

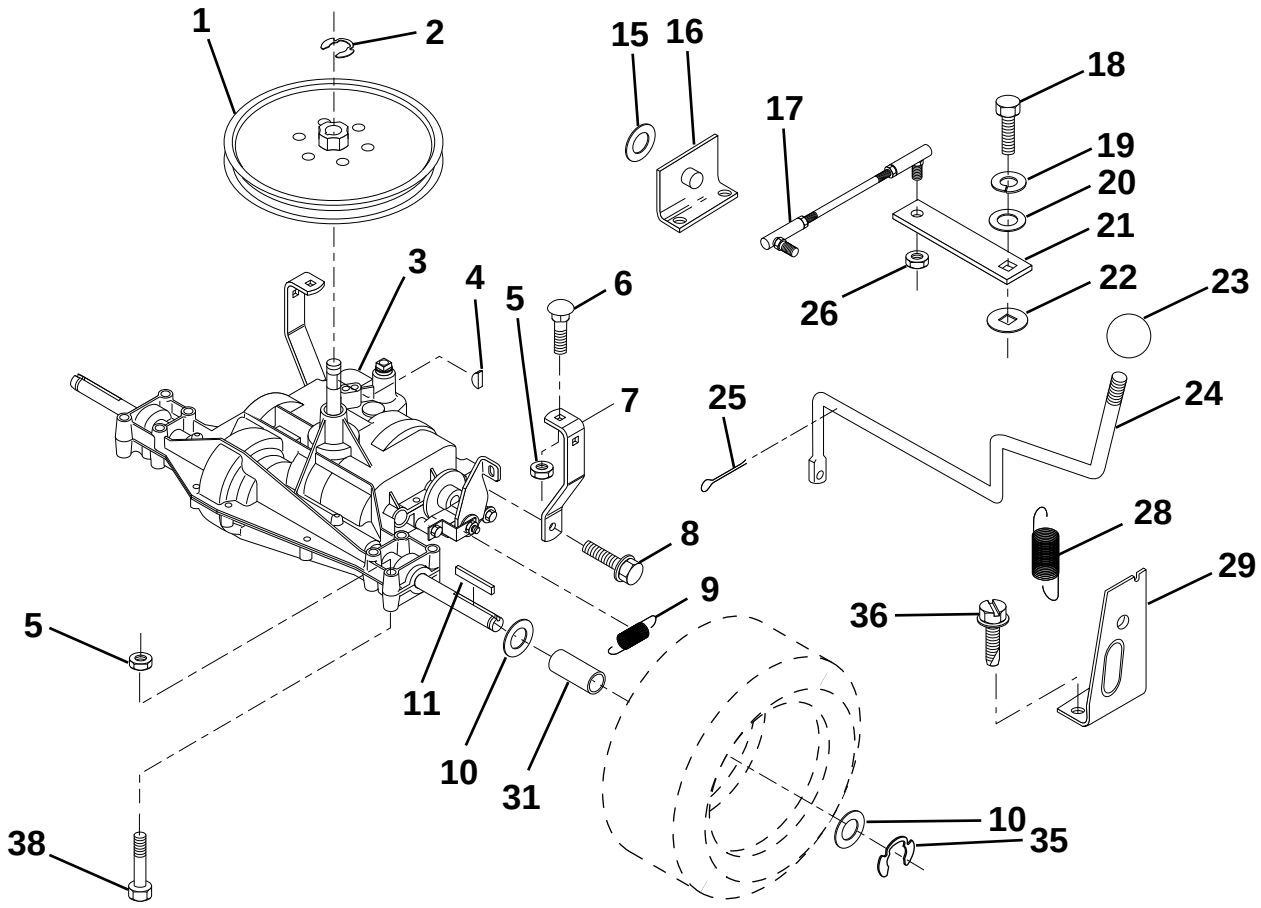
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

TRANSAXLE



KEY NO.	PART NO.	DESCRIPTION
1	532123385	Pulley
2	812000028	Ring, Retainer
3	- - - - - - - - -	Transaxle, **Peerless** Model **204-506B** (Order Parts From Transaxle Manufacturer)
4	532125096	Key, Woodruff #9
5	873680500	Nut, Crownlock 5/16-18
6	872140506	Bolt, Carriage 5/16-18 UNC x 3/4
7	532123378	Strap, Torque
8	817490512	Screw 5/16-18 x 3/4
9	532146682	Spring, Brake
10	532121749	Washer 25/32 x 1-1/4 x 16 Ga.
11	532123583	Key, Square
15	819171616	Washer 17/32 x 1 x 16 Ga.
16	532124600	Support Handle Shift LH
17	**532126293**	Link, Shift
18	874550412	Bolt, Fin Hex 1/4-28 UNF x 3/4 Gr. 8

KEY NO.	PART NO.	DESCRIPTION
19	810040400	Washer, Lock 1/4
20	819091210	Washer 9/32 x 3/4 x 10 Ga.
21	**532126292**	Arm, Shift
22	532105701	Washer, Shift Plate
23	532106933	Knob, Rd 1/2-13
24	532128215	Rod Shift
25	876020416	Pin, Cotter 1/8 x 1
26	873810500	Locknut 5/16-24 UNF
28	532128085	Extension, Spring
29	532128084	Support Handle Shift RH
31	**532137057**	Spacer Axle
35	812000001	E-Ring
36	817720408	Screw, Thd Cut 1/4-20 x 1/2
38	**874490540**	Bolt Hex Flghd 5/16-18 x Gr. 5

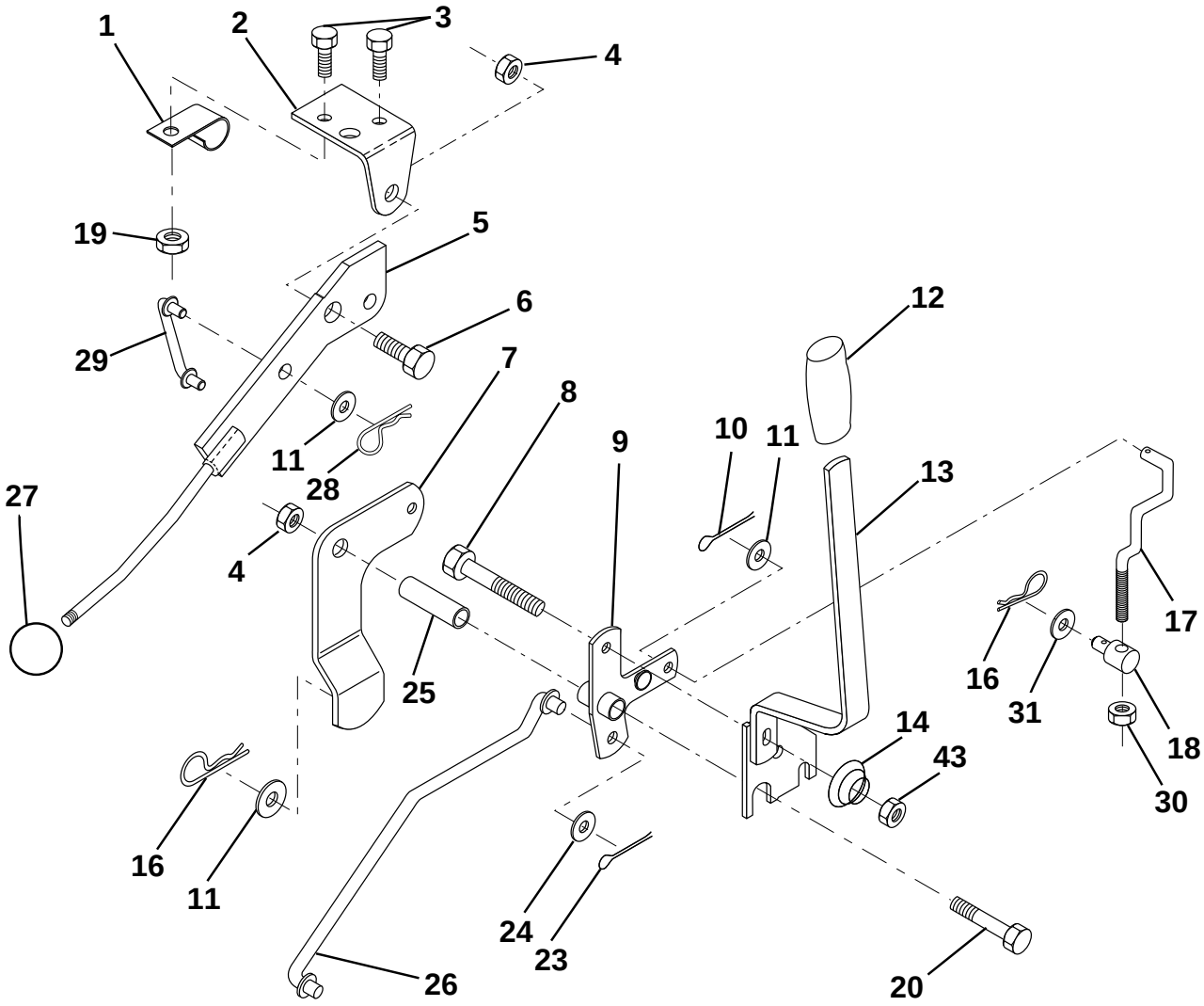
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

MOWER LIFT LEVER



KEY NO.	PART NO.	DESCRIPTION
1	532126470	Clip, Insulated
2	532122018	Bracket, Mower Clutch
3	871110408	Bolt, Fin. Hex 1/4-20 UNC x 1/2 Gr. 5
4	873680600	Nut, Crownlock 3/8-16 UNC
5	532145187	Assembly, Clutch Lever
6	532106451	Bolt, Shoulder
7	532135371	Assembly, Mower Clutch Arm
8	874760636	Bolt, Hex 3/8-16 UNC x 2-1/4
9	532121930	Assembly, Bellcrank Lift
10	876020412	Pin, Cotter 1/8 x 3/4
11	819131316	Washer 13/32 x 13/16 x 16 Ga.
12	532131861	Grip, Handle
13	532139352	Assembly, Lift Handle
14	532123496	Spring, Compression
16	532124961	Retainer, Spring
17	532127359	Link, Front Lift
18	532142028	Trunnion, Threaded 3/8-16
19	873680400	Nut, Crownlock 1/4-20
20	874760644	Bolt, Fin. Hex 3/8-16 UNC x 2-3/4
23	876020416	Pin, Cotter 1/8 x 1
24	819171612	Washer 17/32 x 1 x 12 Ga.
25	532121933	Tube, Spacer
26	532141470	Rod, Mower Lift
27	532106932	Knob
28	**532124788**	Retainer Spring
29	532131655	Link, Mower Clutch
30	873350600	Nut Hex Jam 3/8-16 x 1.30
31	819132012	Washer 13/32 x 1-1/4 x 12 Ga.
43	**873900600**	Nut Lock Flg 3/8-16

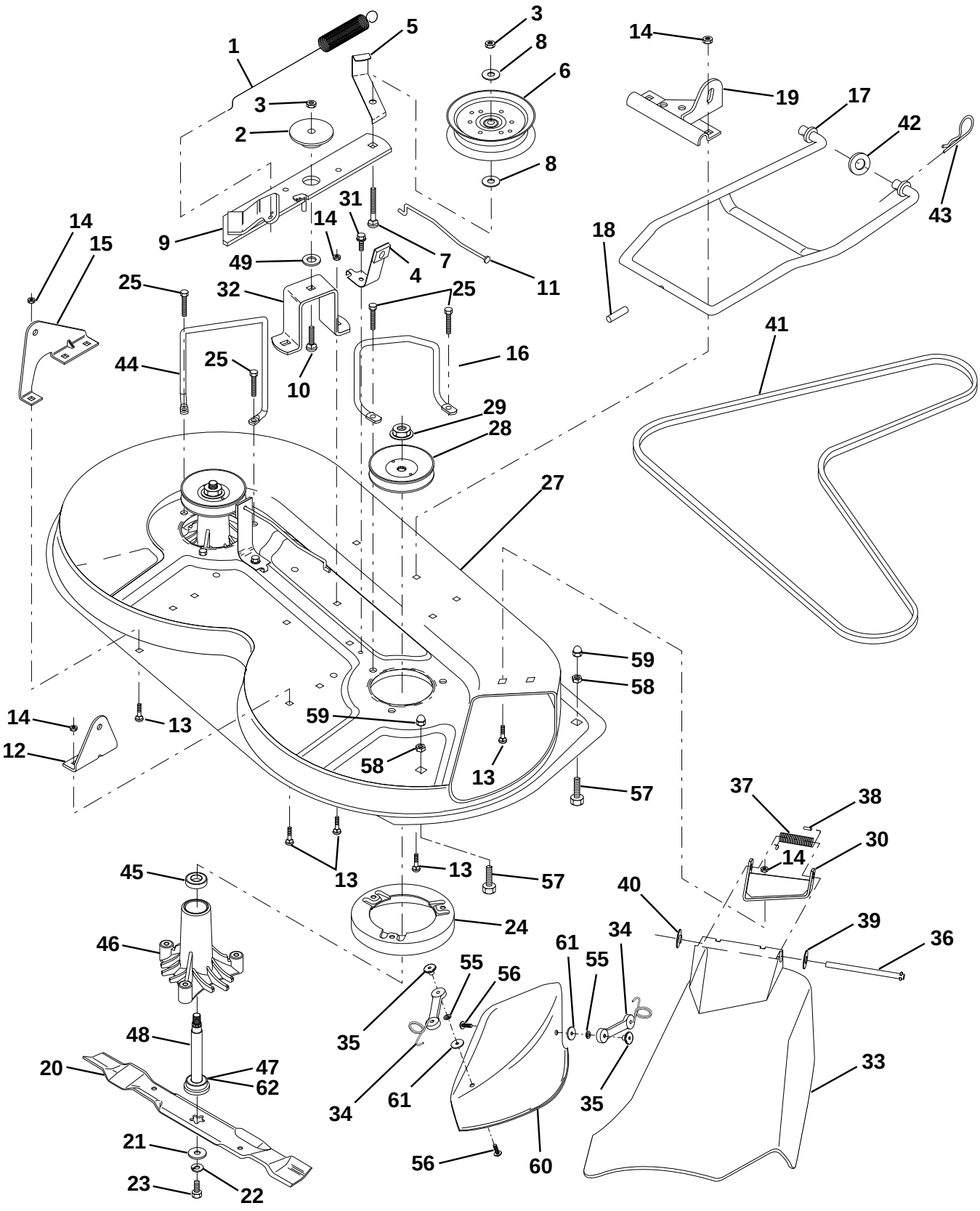
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

MOWER DECK



REPAIR PARTS

TRACTOR - - MODEL NUMBER LR122 (954140014B)

MOWER DECK

KEY NO.	PART NO.	DESCRIPTION
1	532140064	Spring, Mower Clutch
2	532122052	Spacer, Retainer
3	873680600	Nut, Crownlock 3/8-16
4	532130840	Brake Asm.
5	532131251	Guide, Belt Idler
6	532121316	Pulley, Flat Idler
7	872110616	Bolt, Carr. 3/8-16 x 1-3/4 Gr. 5
8	819131410	Washer 13/21 x 7/8 x 10 Ga.
9	532127744	Arm Asm., Idler Mower
10	872140610	Bolt, Carriage 3/8-16 x 1-1/4
11	532130841	Rod, Brake
12	532127356	Bracket, Lift R. H. Rear
13	872140506	Bolt, Carriage 5/16-18 x 3/4
14	873680500	Nut, Crownlock 5/16-18
15	532127357	Bracket, Lift L. H. Rear
16	532153298	Keeper, R. H.
17	532128508	Link, Asm. Mower Stabilizer
18	532128511	Pin, Drive
19	532127380	Bracket, Asm. Front
20	532140101	Blade Mulching
21	532140296	Washer, Hard
22	810030600	Washer, Lock 3/8
23	532850857	Bolt 3/8-24 x 1-1/4 Gr. 8
24	532140329	Stripper
25	532157722	Screw Thdrol Wsh Hd
27	532156600	Deck Assembly
28	532153531	Pulley, Mandrel
29	532137266	Nut, Flangelock 9/16
30	532136631	Bracket, Asm. Deflector
31	817490508	Screw, Hex Wsh. Thdrol. 5/16-18 x 1/2
32	532122051	Arm, Support Idler Mower
33	532131560	Deflector
34	532160793	Latch Asm, Bagger/Mulch
35	532125004	Nut, Weld
36	532121980	Rod, Hinge
37	532123713	Spring, Torsion Deflector
38	532105304	Cap, Sleeve
39	819111016	Washer 11/32 x 5/8 x 16 Ga.
40	532110452	Pushnut
41	532131264	V-Belt
42	819171616	Washer 11/32 x 5/8 16 Ga.
43	532124660	Retainer, Spring
44	532140608	Keeper, L. H.
45	532110485	Bearing
46	532128774	Housing Mandrel Vented
47	532129895	Bearing
48	532137645	Shaft, Mandrel (Includes Key # 47)
49	532133943	Washer, Hardened
55	810071000	Washer, Lock
56	871161010	Screw
57	874930516	Bolt, Fin Hex 5/16-18 x 1
58	873800500	Nut, Lock Hex w/Ins. 5/16-18
59	532133841	Nut, Acorn Hex 5/16 x 18
60	532140102	Cover, Mulching
61	819061216	Washer
62	532153390	Washer Felt
- -	532130794	Mandrel Asm. (Includes Key No.'s 22-23, 26, 29 and 45-48)
- -	532156866	Deck, Mower Complete (Std. Deck - Order separately mulcher plate components key nos. 50-58)

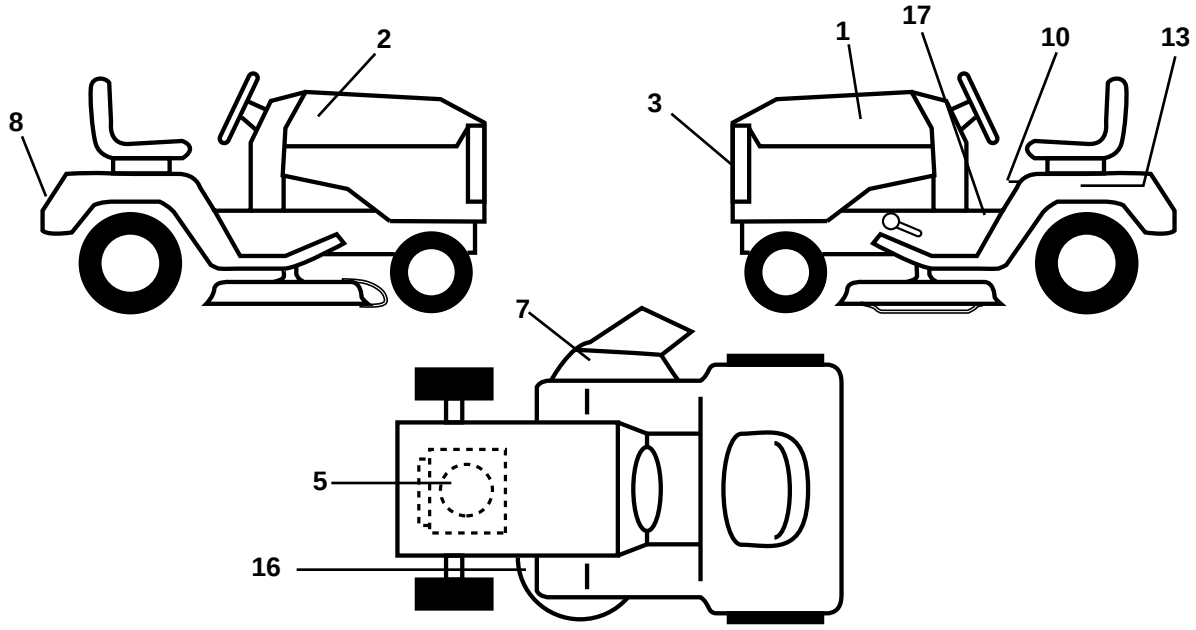
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HARDWARE SHOWN LARGER FOR EASIER IDENTIFICATION

REPAIR PARTS

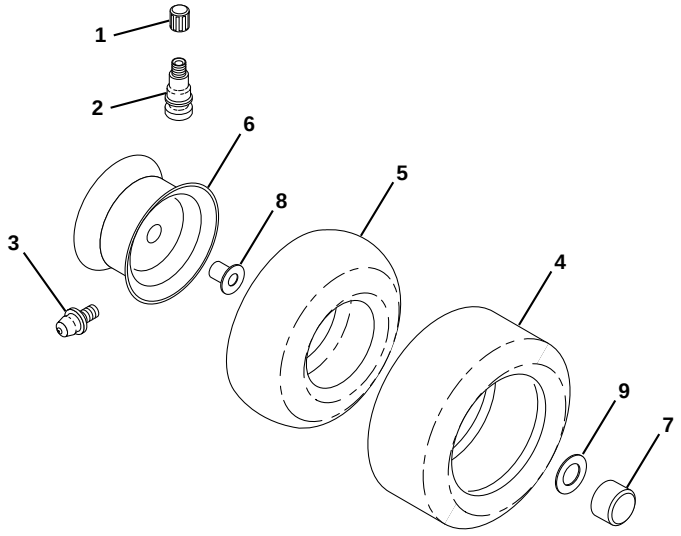
TRACTOR - - MODEL NUMBER LR122 (954140014B)

DECALS



KEY NO.	PART NO.	DESCRIPTION
1	532165750	Decal, Hood, L. H.
2	532165749	Decal, Hood, R. H.
3	532150616	Decal, Grille
5	532166099	Decal, Engine
7	532137259	Decal, Warning Multi/Lang
8	532150617	Decal, Logo, Fender
10	532157198	Decal Caution Fender
13	532145005	Decal, Caution, Battery
16	532136830	Decal, V-Belt Sch.
17	532157110	Decal, Inst. Oper.
- -	532138311	Decal, Handle Lift
- -	**532167661**	Manual, Owner's (English)
- -	**532167662**	Manual, Owner's (French)

WHEELS & TIRES



KEY NO.	PART NO.	DESCRIPTION
1	532059192	Cap, Valve
2	532065139	Stem, Valve
3	532124957	Fitting, Grease (Front Wheels Only)
4	532123410	Tire, Front
4	532106230	Tire, Rear
5	532059904	Tube, Front (Optional Service Items Only)
5	532008134	Tube, Rear (Optional Service Items Only)
6	532142039	Rim, Front
6	532141652	Rim, Rear
7	532104757	Cap Axle
8	532124959	Bearing Flange
9	532121748	Washer 25/32 x 1-5/8 x 16 Ga.
- -	532144334	Sealant, Tire (10 oz. Tube)

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

Husqvarna

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

531 83 81-23 2/95

SERVICE POLICY WARRANTY

TECUMSEH

TECUMSEH

Issued January 1980
Revised January 1991

LIMITED WARRANTIES FOR NEW PEERLESS GEAR POWER TRAIN COMPONENTS

A. Products Warranted

Peerless Gear and Machine Division of Tecumseh Products Company ("Tecumseh"), subject to the limitations contained below, will, at its option, repair or replace, without charge for parts or labor only, any part of a new Power Train Component (which as used herein means and includes the transaxle, gear box, transmission, differential and right angle drives, and any part of the Power Train Component), EXCEPT any new Power Train Component incorporated in equipment used for commercial or rental purposes, which is found upon examination by any Tecumseh Authorized Service Outlet or by Tecumseh's factory in Grafton, Wisconsin, to be DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP if received by Tecumseh or a Tecumseh Authorized Service Outlet for such examination within TWO YEARS from the date of sale to the original consumer purchaser of Peerless Series 820, 900, 910, 915, 920, 930 transaxles and Series 1100 angle drive and ONE YEAR for all other Peerless products. New Power Train Components incorporated in equipment used for commercial purposes are warranted in the same manner and to the same extent EXCEPT such Power Train Components are warranted for NINETY (90) DAYS ONLY, and must be received by Tecumseh or by a Tecumseh Authorized Service Outlet for such examination within 90 days from the date of sale to the original purchaser. New Power Train Components Incorporated in equipment used for rental purposes are warranted in the same manner and to the same extent EXCEPT such Power Train Components are warranted for THIRTY (30) DAYS ONLY, and must be received by Tecumseh or a Tecumseh Authorized Service Outlet within 30 days from the date of sale to the original purchaser.

B. Products And Items Not Warranted

1. Alterations or Modifications of Power Train Components.
2. Accidents, Normal Maintenance, Failure to follow the Original Equipment Manufacturer's Manual.

This warranty covers only parts of new Power Train Components which are found upon examination to be defective in material or workmanship as delivered to the original purchaser. This warranty does not cover defects caused by depreciation or damage caused by normal wear, accidents, improper maintenance, improper use or abuse of the product, failure to follow the instructions contained in an Instruction Manual for the operation of the Power Train Component and parts. The cost of normal maintenance and replacement of service items which are not defective shall be paid for by the original purchaser.

C. Securing Warranty Service

Warranty service can be arranged for by contacting either a Tecumseh Authorized Service Outlet (any Tecumseh Registered Service Dealer, Tecumseh Authorized Service Distributor, or Tecumseh Central Warehouse Distributor) or by contacting Tecumseh, c/o Service Manager, Engine and Transmission Group Service Division, 900 North Street, Grafton, Wisconsin 53024. Warranty service can only be performed by a Tecumseh Authorized Service Outlet or by Tecumseh at its factory in Grafton, Wisconsin. At the time of requesting warranty service, evidence must be presented of the date of sale to the original purchaser. The purchaser shall pay any charges for making service calls and/or for transporting the product to and from the place where the inspection and/or warranty work is performed. The purchaser shall be responsible for any damage or loss incurred in connection with the transportation of Power Train Components and/or part(s) of the Power Train Components submitted for inspection and/or warranty work.

D. Limitation of Damages and Implied Warranties

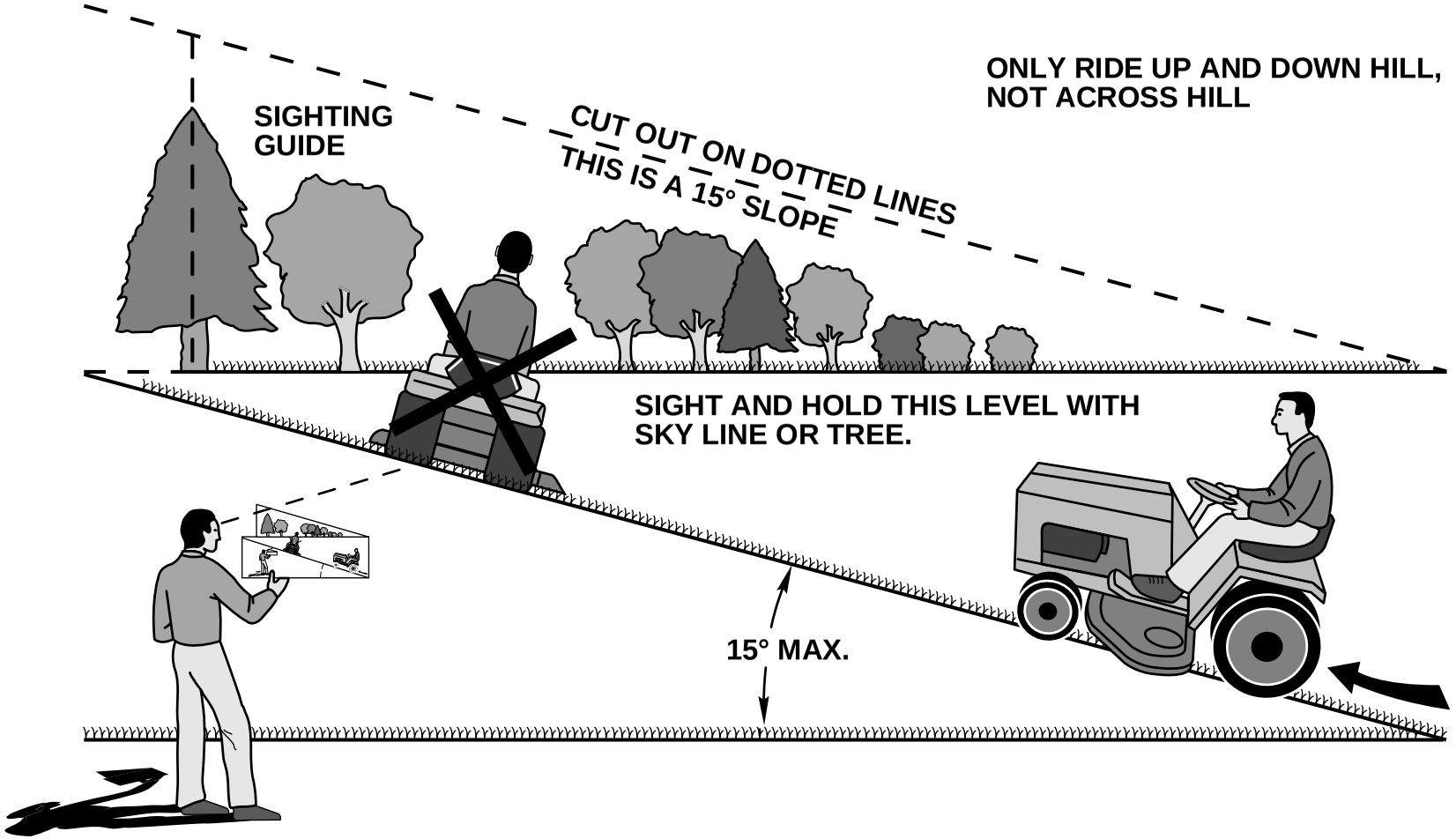
The foregoing EXPRESSED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. Neither Tecumseh nor any of its affiliates makes any warranties, representations or promises, written or oral, as to the quality of the Power Train Component or any of its parts, other than as set forth herein.

ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT THAT EITHER MAY APPLY TO ANY PART(S) OF POWER TRAIN COMPONENTS, SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESSED WARRANTIES DEFINED IN PARAGRAPH A HEREOF. IN NO EVENT WILL TECUMSEH BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES AND/OR EXPENSES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

E. No Dealer Warranty

Tecumseh neither assumes nor authorizes any other person, natural or corporate, to assume for Tecumseh any other obligations or liabilities in connection with or with respect to any part(s) of a Power Train Component. The seller or dealer of part(s) of a Power Train Component has no authority, whatsoever, to make any representations or promises on behalf of Tecumseh or to modify the terms or limitations of Tecumseh's warranty in any way.

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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

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