

LT125

Owner's Manual

(H12542A)



SAFETY RULES

Safe Operation Practices for Ride-On Mowers



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

I. GENERAL OPERATION

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

II. SLOPE OPERATION

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

DO:

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

DO NOT:

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

III. CHILDREN

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

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

IV. SERVICE

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



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



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

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

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

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

MODEL
NUMBER LT125

SERIAL
NUMBER _____

DATE OF PURCHASE _____

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A PLATE UNDER THE SEAT.

YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

CUSTOMER RESPONSIBILITIES

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

PRODUCT SPECIFICATIONS

HORSEPOWER:	12.5
GASOLINE CAPACITY:	5 QUARTS UNLEADED REGULAR
OIL (3.0 PINTS):	SAE 30 (Above 32°F) SAE 5W-30 (Below 32°F)
SPARK PLUG (GAP .030 IN.):	CHAMPION RJ-19LM STD361458
VALVE CLEARANCE:	INTAKE: .005 - .007 IN. EXHAUST: .009 - .011 IN.
GROUND SPEED:	FORWARD 1st 1.11 MPH 2nd 1.47 MPH 3rd 2.09 MPH 4th 3.13 MPH 5th 4.36 MPH 6th 5.10 MPH REVERSE: 1.56 MPH
TIRE PRESSURE:	FRONT: 14 PSI REAR: 12 PSI
CHARGING SYSTEM:	3 AMPS BATTERY 5 AMPS HEADLIGHTS
BLADE BOLT TORQUE:	30-35 FT. LBS.

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

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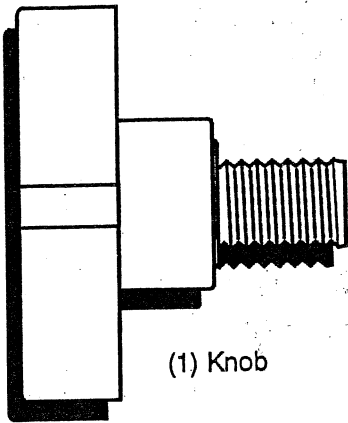
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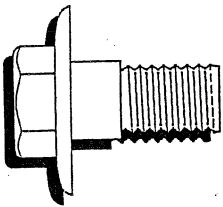
SERVICE NOTES

CONTENTS OF HARDWARE PACK

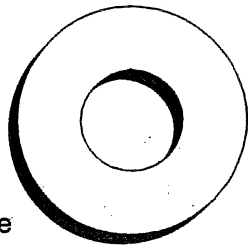
Parts Bag contents shown full size



(1) Knob



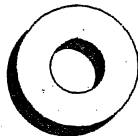
(1) Shoulder Bolt
5/16-18



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



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



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

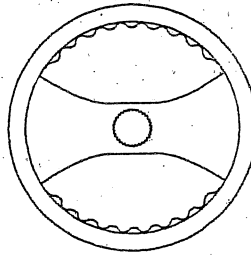


(2) Hex Nuts 1/4-20

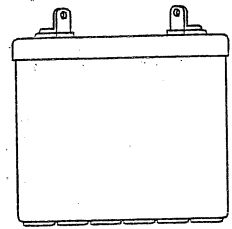


(2) Lock Washers 1/4

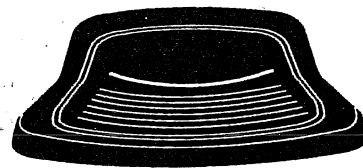
Parts packed separately in carton



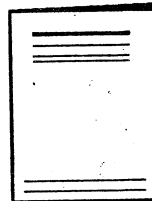
Steering
Wheel



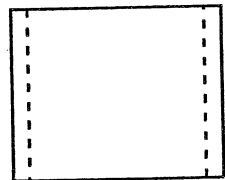
Battery



Seat

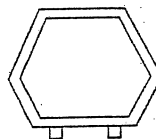


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Parts Bag

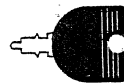
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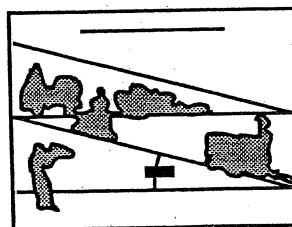
Steering
Wheel
Insert



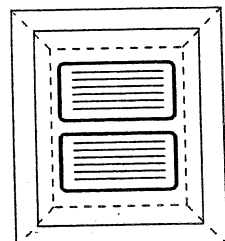
Battery
Terminal
Cover



(2) Keys



15° Slope Sheet



Battery Caps
and Instructions

ASSEMBLY

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

TOOLS REQUIRED FOR ASSEMBLY

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

- | | |
|--------------------|---------------------|
| (1) 5/16" wrench | (1) 3/4" wrench |
| (2) 7/16" wrenches | Screwdriver |
| (1) 1/2" wrench | Utility knife |
| (1) 9/16" wrench | Tire pressure gauge |

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

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON

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

BEFORE ROLLING TRACTOR OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

- Remove locknut and large flat washer from steering shaft.
- Position front wheels of the tractor so they are pointing straight forward.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto adapter.
- Secure steering wheel to steering shaft with locknut and large flat washer previously removed. Tighten securely.
- Snap steering wheel insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

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

TO ROLL TRACTOR OFF SKID (See Fig. 6)

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

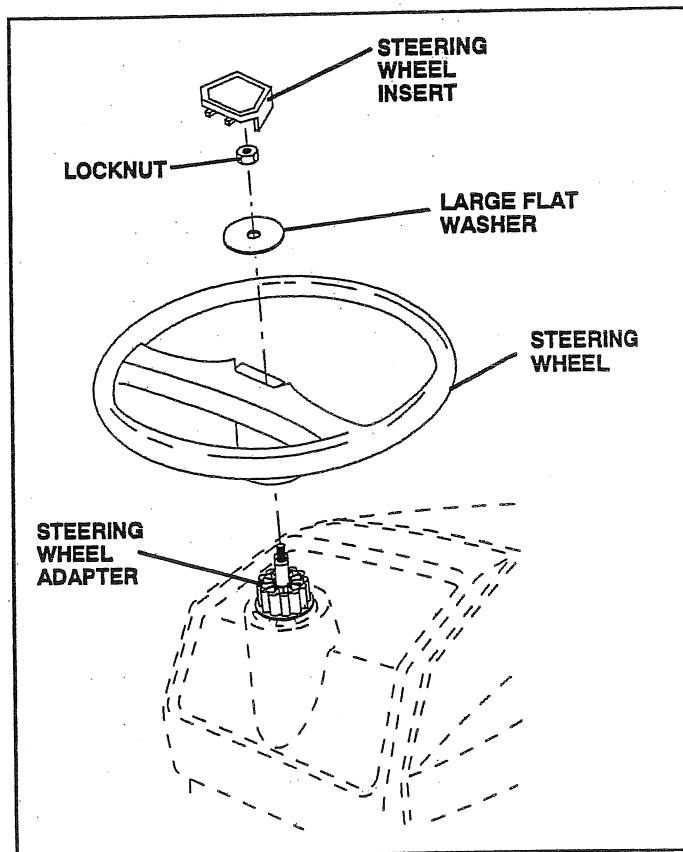


FIG. 1

ASSEMBLY

HOW TO SET UP YOUR TRACTOR

PREPARE BATTERY (See Fig. 2)



CAUTION: Wear eye and face shield. Wash hands or clothing immediately if accidentally in contact with battery acid. Do not smoke. Fumes from charged battery acid are explosive. Read the instructions included with the battery vent caps. Always wear gloves, clothing and goggles to protect your hands, skin and eyes.

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

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

While battery is standing (after adding acid) and later, while battery is being charged, continue with assembly of tractor.

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

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

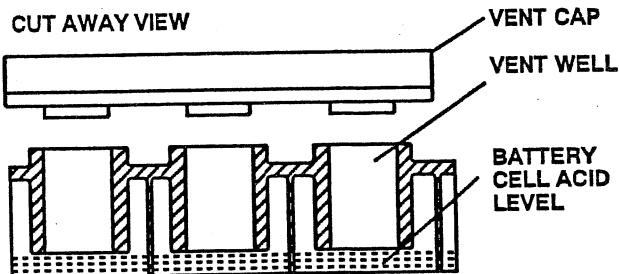


FIG. 2

INSTALL SEAT (SEE FIG. 3)

Adjust seat before tightening adjustment knob.

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

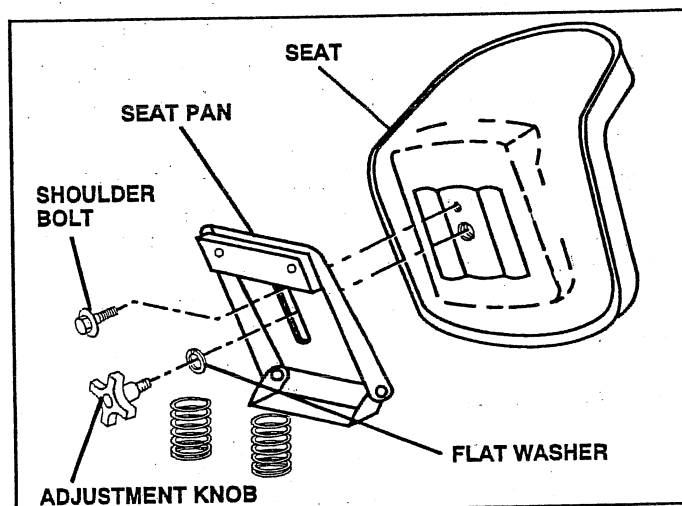


FIG. 3

CHECK TIRE PRESSURE

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

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

CHECK DECK LEVELNESS

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

CHECK FOR PROPER POSITION OF ALL BELTS

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

CHECK BRAKE SYSTEM

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

ASSEMBLY

INSTALL BATTERY (SEE FIGS. 4 & 5)



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

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

- Lift seat to raised position.
- Lower battery into battery box with battery terminals toward front of tractor.
- Be sure battery drain tube is attached to battery box.
- First slide terminal cover onto RED battery cable and connect cable to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely. Slide terminal cover over terminal.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.

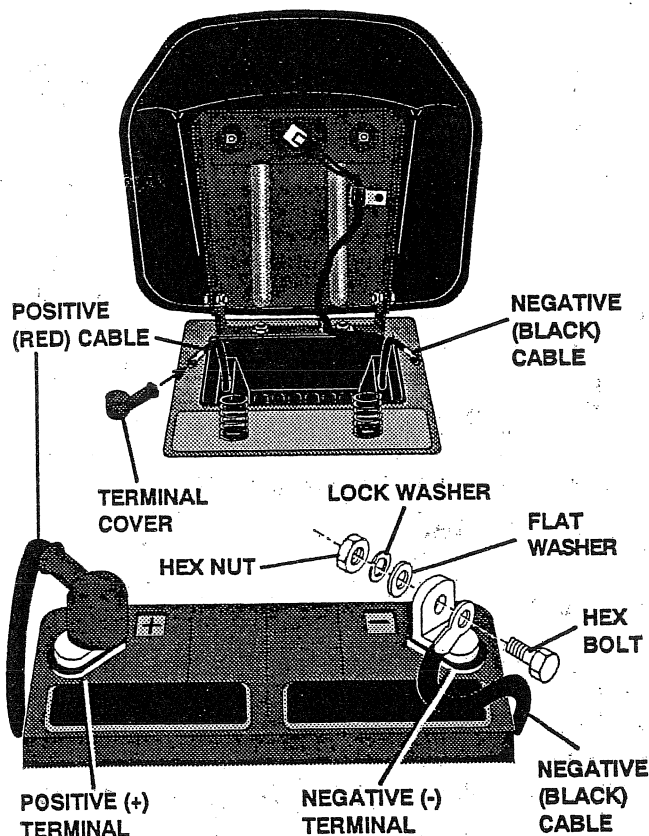


FIG. 4

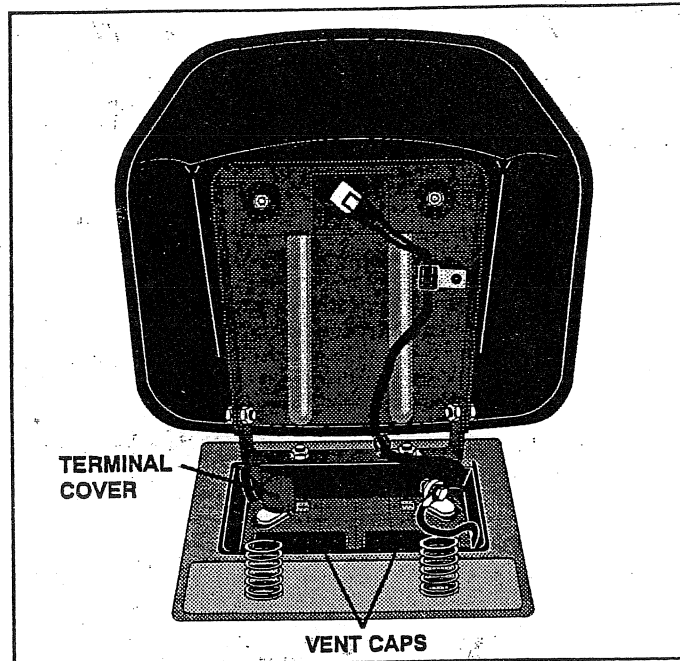


FIG. 5

✓CHECKLIST

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

PLEASE REVIEW THE FOLLOWING CHECKLIST:

- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were 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 locations of various controls and adjustments. Save this manual for future reference.

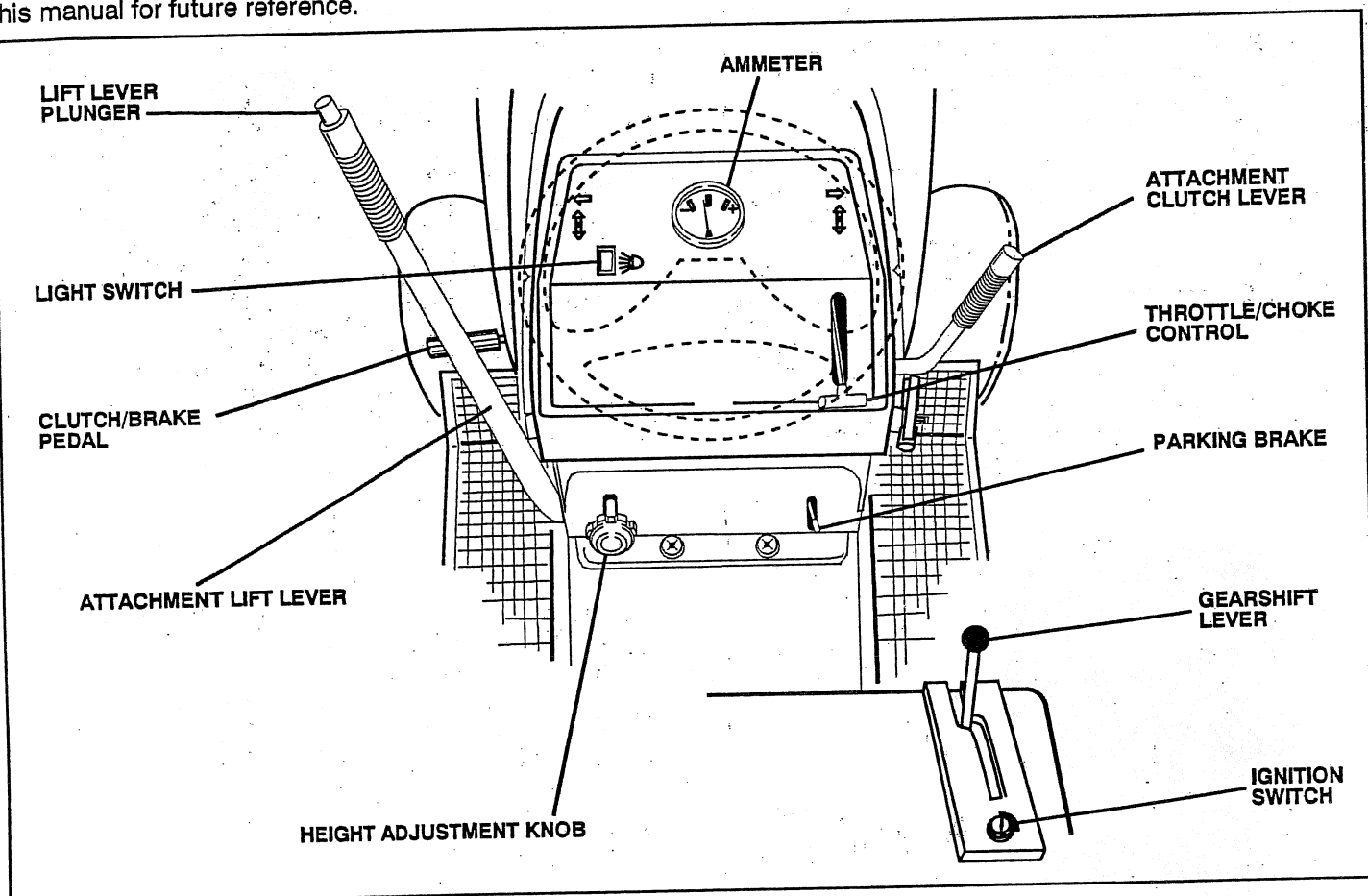


FIG. 6

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

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

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

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

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

HEIGHT ADJUSTMENT KNOB: Used to adjust the mower height.

GEARSHIFT LEVER: Selects the speed and direction of tractor.

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

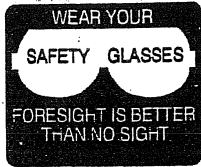
LIFT LEVER PLUNGER: Used to release attachment lift lever when changing its position.

IGNITION SWITCH: Used for starting and stopping the engine.

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

LIGHT SWITCH: Turns the headlights on and off.

OPERATION



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

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE (See Fig. 7)

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

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

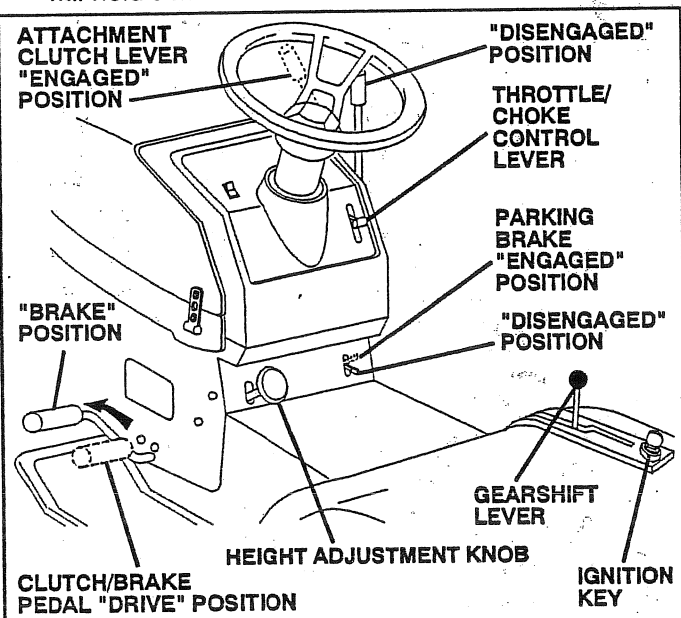


FIG. 7

STOPPING (See Fig. 7)

MOWER BLADES -

- Move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

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

ENGINE -

- Move throttle control to "SLOW" position.

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

- Turn ignition key to "OFF" position and remove key. Always remove key when leaving tractor to prevent unauthorized use.

- Never use choke to stop engine.

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



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

TO USE THROTTLE CONTROL (See Fig. 7)

Always operate engine at full throttle.

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

TO MOVE FORWARD AND BACKWARD (See Fig. 6)

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

- Start tractor with clutch/brake pedal depressed and gearshift lever in "NEUTRAL" position.
- Move gearshift lever to desired position.
- Slowly release clutch/brake pedal to start movement.

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

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 6)

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

- Turn knob clockwise to raise cutting height.
- Turn knob counterclockwise to lower cutting height.

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

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

OPERATION

TO OPERATE MOWER (See Fig. 8)

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

Select desired height of cut.

Engage mower by slowly moving attachment clutch lever to "ENGAGED" position.

TO STOP MOWER - Move attachment clutch lever to "DISENGAGED" position.



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

ATTACHMENT LIFT LEVER HIGH POSITION LOW POSITION

ATTACHMENT CLUTCH LEVER "DISENGAGED" POSITION

"ENGAGED" POSITION

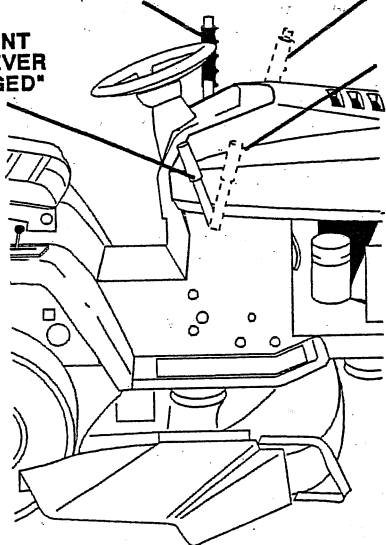


FIG. 8

TO OPERATE ON HILLS



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

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

- To restart movement, slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

TO TRANSPORT

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

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

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 13)

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

ADD GASOLINE

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

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

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



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

OPERATION

TO START ENGINE (See Fig. 7)

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

- Depress the clutch/brake pedal and set the parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control lever to "CHOKE" position for cold engine start. For warm engine start, move throttle control to "FAST" position.
- Turn ignition key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If engine does not start after several attempts, move throttle control to "FAST" position, wait a few minutes and try again.
- When engine starts, move throttle control to desired position.
- Allow engine to warm up for a few minutes before engaging drive or attachment clutch.

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

MOWING TIPS

- Tire chains cannot be used when the mower housing is attached to tractor.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- 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. 9).
- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

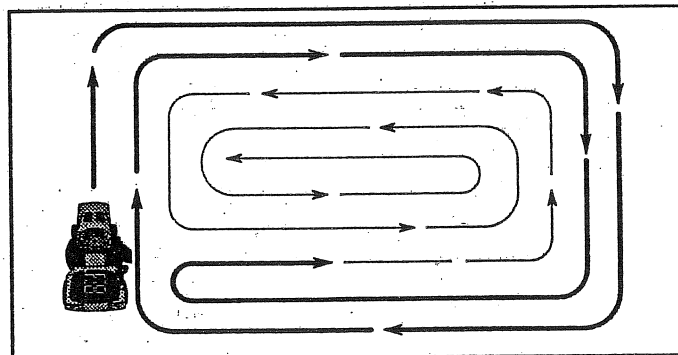


FIG. 9

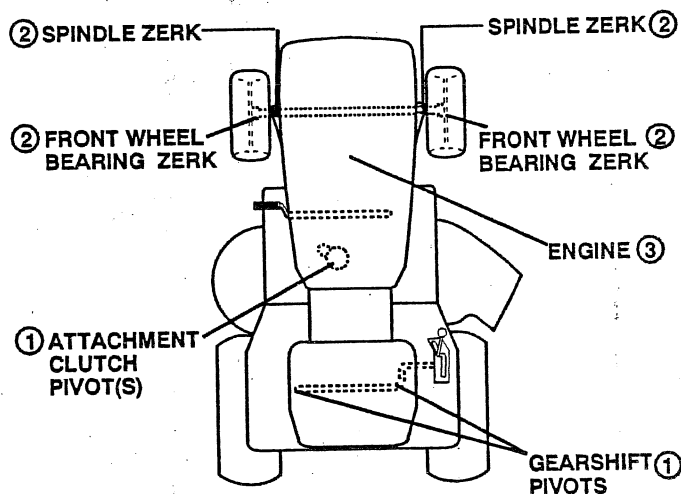
CUSTOMER RESPONSIBILITIES

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

1 - Change more often when operating under a heavy load or in high ambient temperatures.
2 - Service more often when operating in dirty or dusty conditions.

3 - If equipped with oil filter, change oil every 50 hours.
4 - Replace blades more often when mowing in sandy soil.
5 - If equipped with adjustable system.

LUBRICATION CHART



① SAE 30 OR 10W30 MOTOR OIL API - SG

② GENERAL PURPOSE GREASE

③ REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

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

GENERAL RECOMMENDATIONS

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

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

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

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

BEFORE EACH USE

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

CUSTOMER RESPONSIBILITIES

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

TIRES

Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" on page 3 of this manual).

Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.

Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

BLADE CARE

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

BLADE REMOVAL (See Fig. 10)

Raise mower to highest position to allow access to blades.

Remove hex bolt, lock washer and flat washer securing blade.

Install new or resharpened blade with trailing edge up towards deck as shown.

Reassemble hex bolt, lock washer and flat washer in exact order as shown.

Tighten bolt securely (30-35 Ft. Lbs. torque).

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

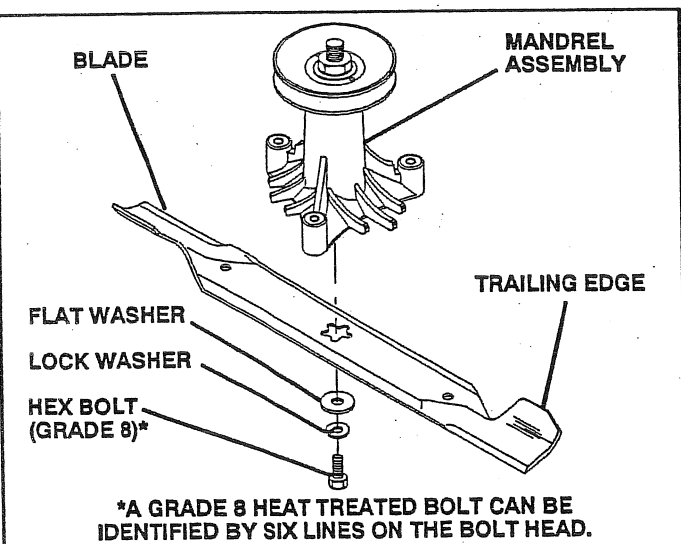


FIG. 10

TO SHARPEN BLADE (See Fig. 11)

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

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

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

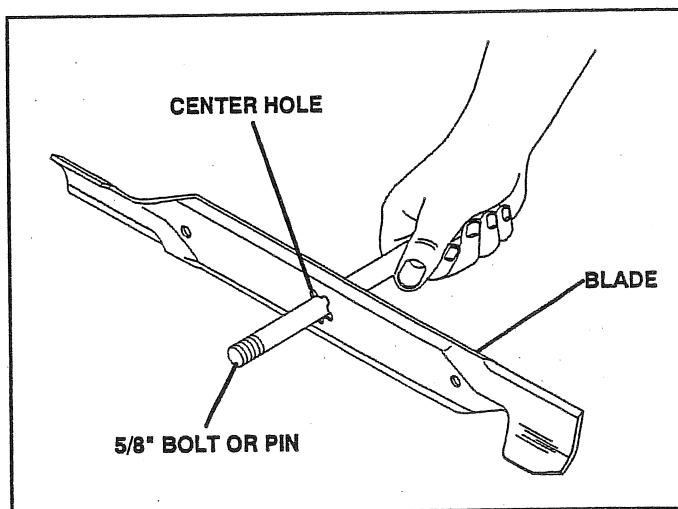


FIG. 11

CUSTOMER RESPONSIBILITIES

BATTERY (See Fig. 12)

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

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

TO CLEAN BATTERY AND TERMINALS -

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

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

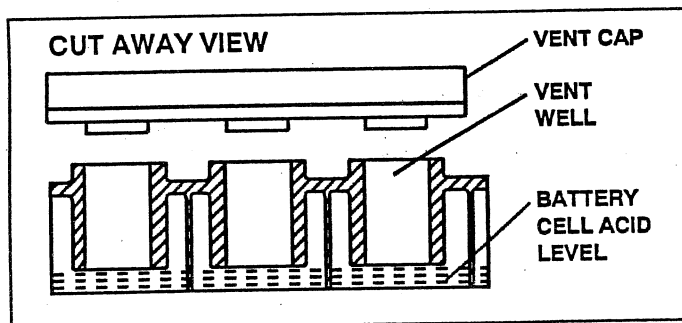


FIG. 12

V-BELTS

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

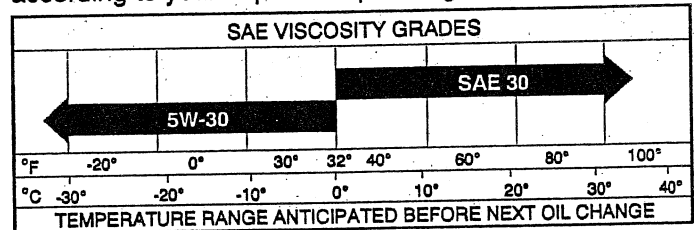
TRANSAXLE COOLING

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

ENGINE

LUBRICATION

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



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

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

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

TO CHANGE ENGINE OIL (See Fig. 13) -

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

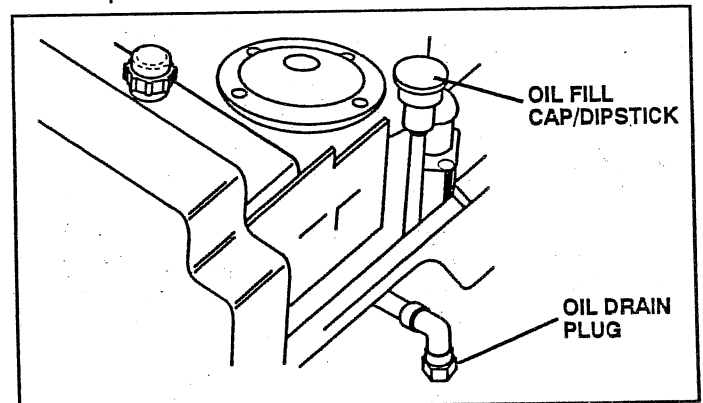


FIG. 13

CUSTOMER RESPONSIBILITIES

AIR FILTER (See Fig. 14)

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

Service air cleaner more often under dusty conditions.

- Remove knob(s) and cover.

TO SERVICE PRE-CLEANER -

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

TO SERVICE CARTRIDGE -

- Remove cartridge nut.
- Remove cartridge and clean by tapping gently on flat surface.
- If very dirty, replace or wash in a nonsudsing detergent and warm water solution. Rinse thoroughly with water from inside out until water runs clear. Let cartridge dry thoroughly before using.
- Reinstall cartridge, nut, precleaner, cover and secure with knob(s).

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

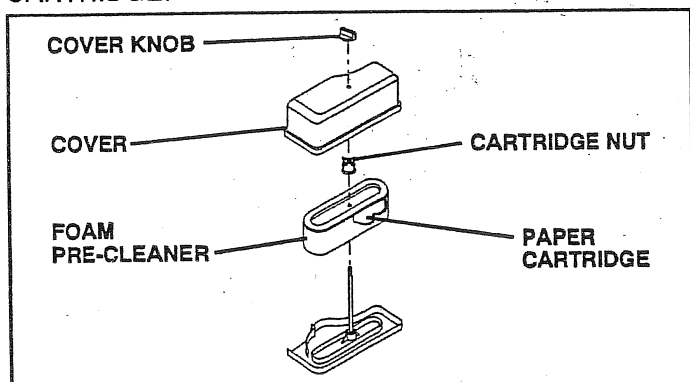


FIG. 14

AIR SCREEN (See Fig. 15)

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

ENGINE COOLING FINS (See Fig. 15)

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

- Remove oil fill dipstick and cover opening to prevent entry of dirt.
- Remove screws from blower housing and lift housing off engine.

- Remove the screws securing the starter housing and lift housing off engine.
- Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins.
- To reassemble, reverse above procedure.

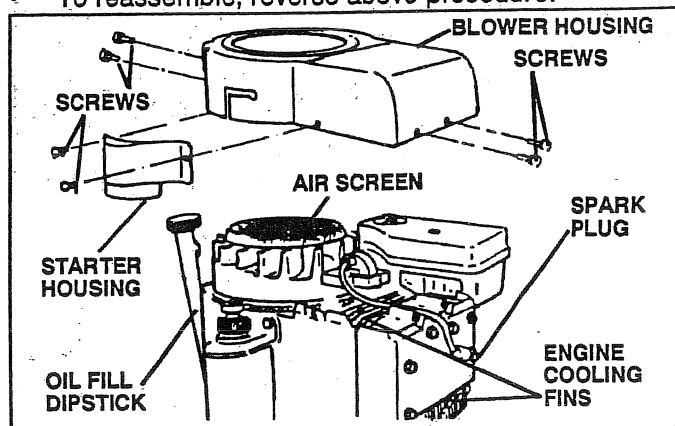


FIG. 15

MUFFLER

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

SPARK PLUGS

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

IN-LINE FUEL FILTER (See Fig. 16)

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

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

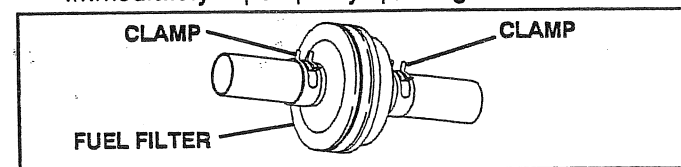


FIG. 16

CLEANING

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

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

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

SERVICE AND ADJUSTMENTS

CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

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



TRACTOR

TO REMOVE MOWER (See Fig. 17)

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

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

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

TO INSTALL MOWER (See Fig. 17)

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

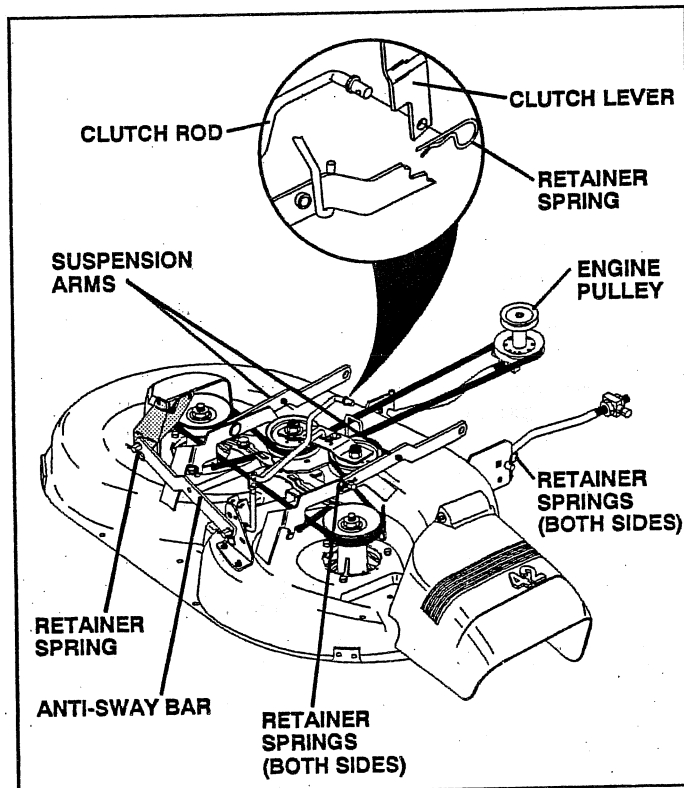


FIG. 17

SERVICE AND ADJUSTMENTS

TO LEVEL MOWER HOUSING

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

SIDE-TO-SIDE ADJUSTMENT (See Figs. 18 and 19)

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

Raise mower with attachment lift control to allow two (2) 1-1/2" thick blocks to be placed under rear edge of mower.

Place one block directly behind the left mandrel. Place the remaining block under the stamped ridge on the right rear edge of mower deck.

Lower mower deck to its lowest height of cut position (See "TO ADJUST MOWER CUTTING HEIGHT" in Operation section of this manual).

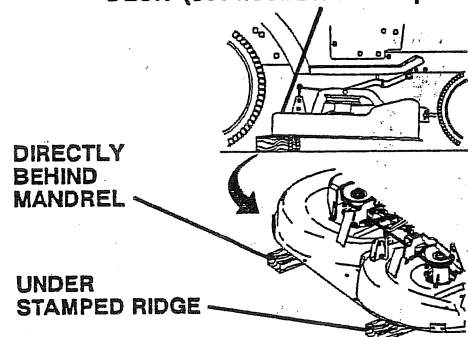
On both sides of tractor, loosen, but do not remove, the fasteners securing the adjustable pivot brackets to frame. Both brackets must be loose enough to move freely.

Pull down firmly on suspension arm to remove any slack in pivot bracket and hold while tightening rear fastener first to secure. Tighten remaining fastener.

Repeat procedure on other side of tractor.

Raise mower with attachment lift control and remove blocks from under mower.

PLACE TWO (2) 1-1/2" THICK BLOCKS UNDER REAR EDGE OF DECK (Use wood 2 x 4's or equivalent)



MOWER MUST BE IN LOWEST HEIGHT OF CUT POSITION

FIG. 18

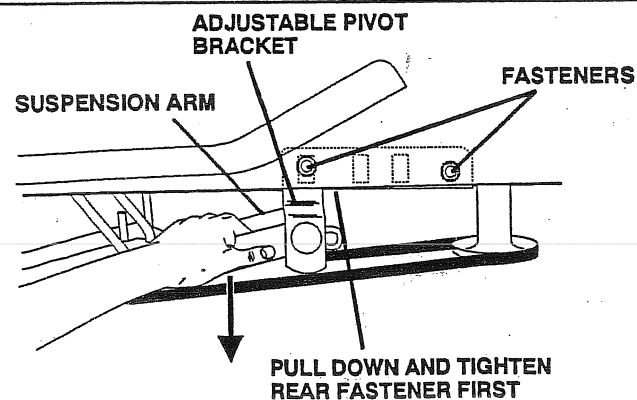


FIG. 19

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

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

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

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

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

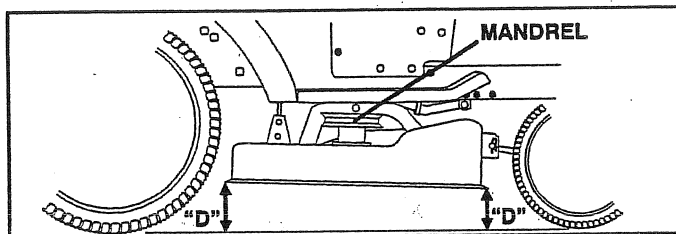


FIG. 20

BOTH FRONT LINKS MUST BE EQUAL IN LENGTH

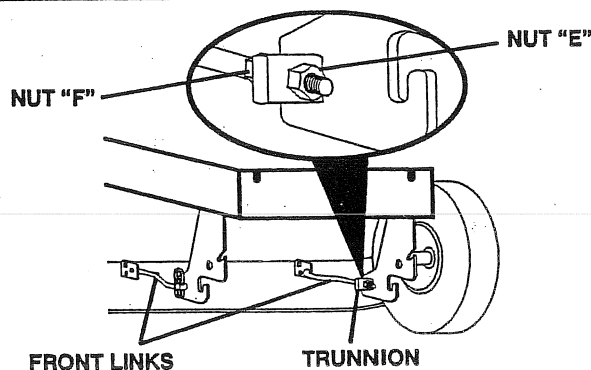
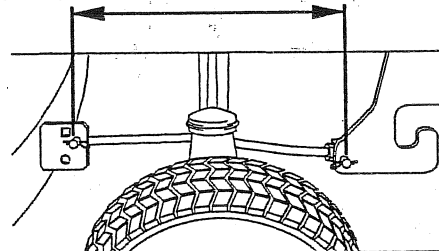


FIG. 21

SERVICE AND ADJUSTMENTS

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

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

BELT REMOVAL -

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Work belt off both mandrel pulleys and idler pulleys.
- Pull belt away from mower.

BELT INSTALLATION -

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

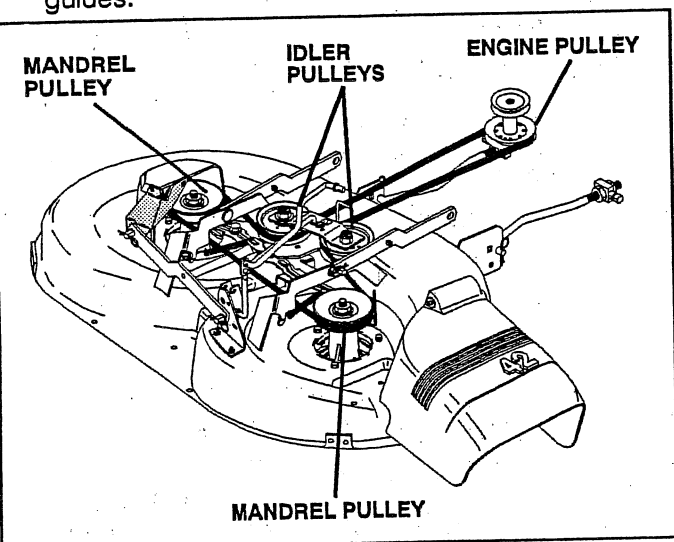


FIG. 22

TO ADJUST BRAKE (See Fig. 23)

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

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

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

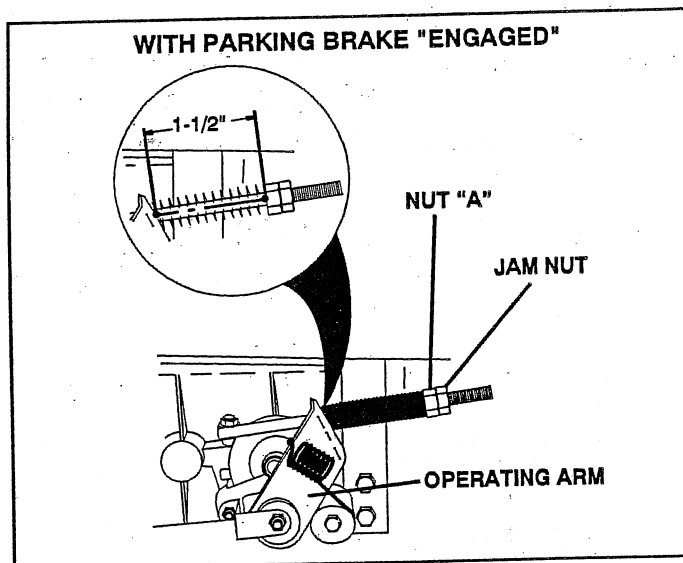


FIG. 23

TO REPLACE MOTION DRIVE BELT (See Fig. 24)

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

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

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

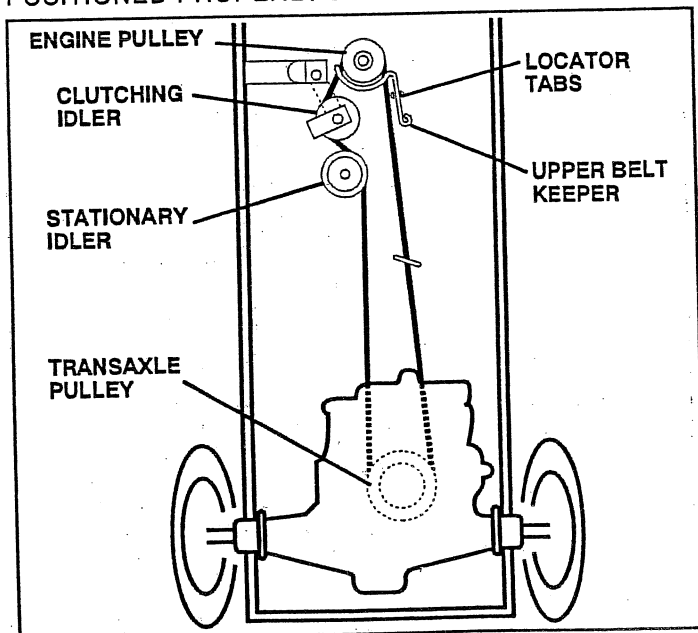


FIG. 24

SERVICE AND ADJUSTMENTS

TO ADJUST STEERING WHEEL ALIGNMENT

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

FRONT WHEEL TOE-IN/CAMBER

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

TO REMOVE WHEEL FOR REPAIRS (See Fig. 25)

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

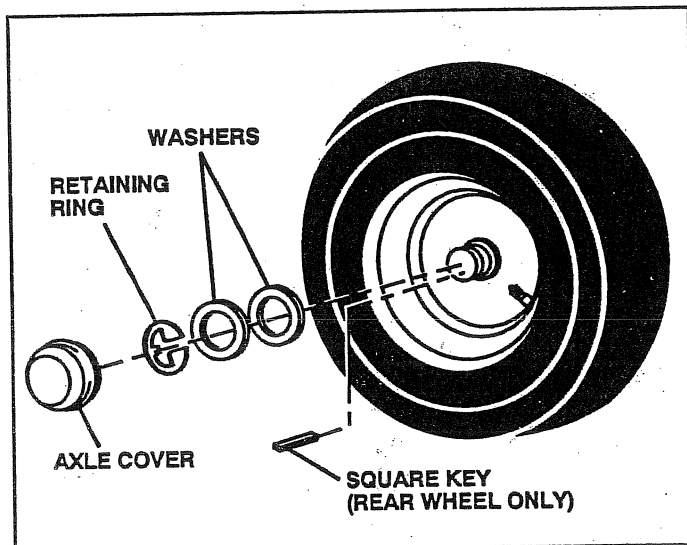


FIG. 25

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



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

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

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

TO ATTACH JUMPER CABLES -

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

TO REMOVE CABLES, REVERSE ORDER -

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

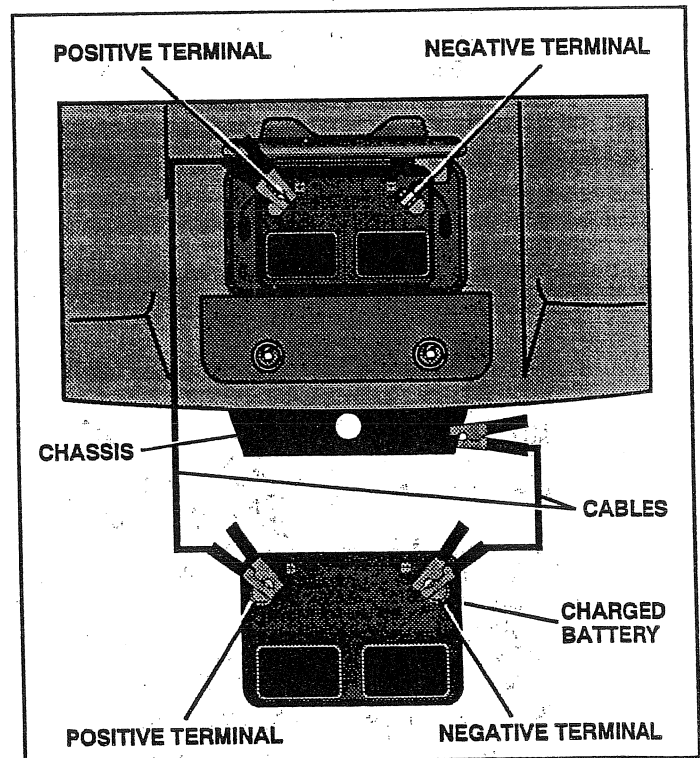


FIG. 26

SERVICE AND ADJUSTMENTS

TO REPLACE FUSE

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

TO REPLACE HEADLIGHT BULB

Raise hood.

Pull bulb holder out of the hole in the backside of the grill.

Replace bulb in holder and push bulb holder securely back into the hole in the backside of the grill.

Close hood.

INTERLOCKS AND RELAYS

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

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

TO REMOVE HOOD AND GRILL ASSEMBLY (See Fig. 27)

Lift hood. Disconnect headlight wiring connection.

Remove wingnut at rear of each side panel.

Remove retainer springs from hood pivot brackets.

Pivot hood and side panel forward and lift off tractor.

To replace, reverse above procedure.

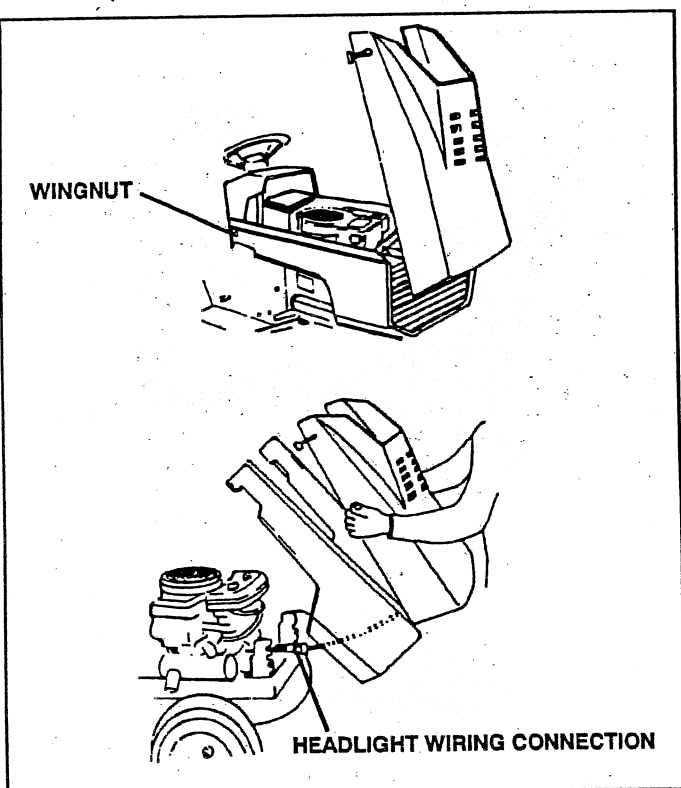


FIG. 27

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 28)

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

- With engine not running, move throttle control lever from "SLOW" to "CHOKE" position. Slowly move lever from "CHOKE" to "FAST" position.
- Check that holes "A" in governor control lever and hole in governor plate line-up. If holes "A" are not aligned, loosen clamp screw and move throttle cable until holes are aligned. Tighten clamp screw securely.

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 the 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.

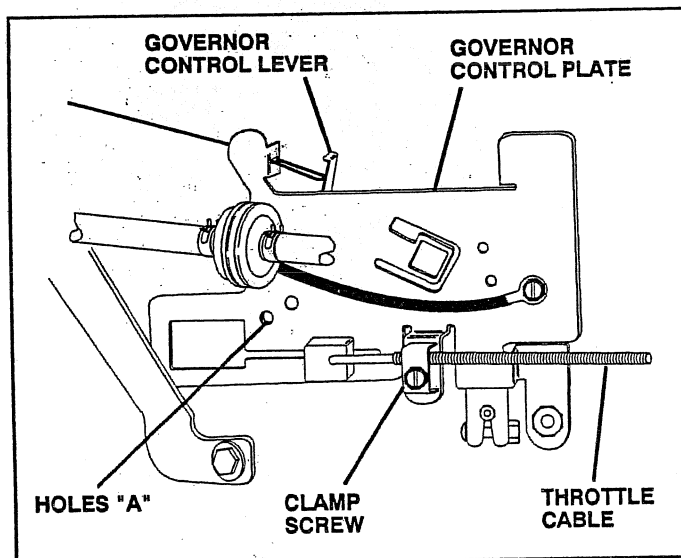


FIG. 28

STORAGE

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



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

TRACTOR

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

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

BATTERY

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

ENGINE

FUEL SYSTEM

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

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

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

ENGINE OIL

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

CYLINDERS

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

OTHER

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

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

TROUBLESHOOTING POINTS

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

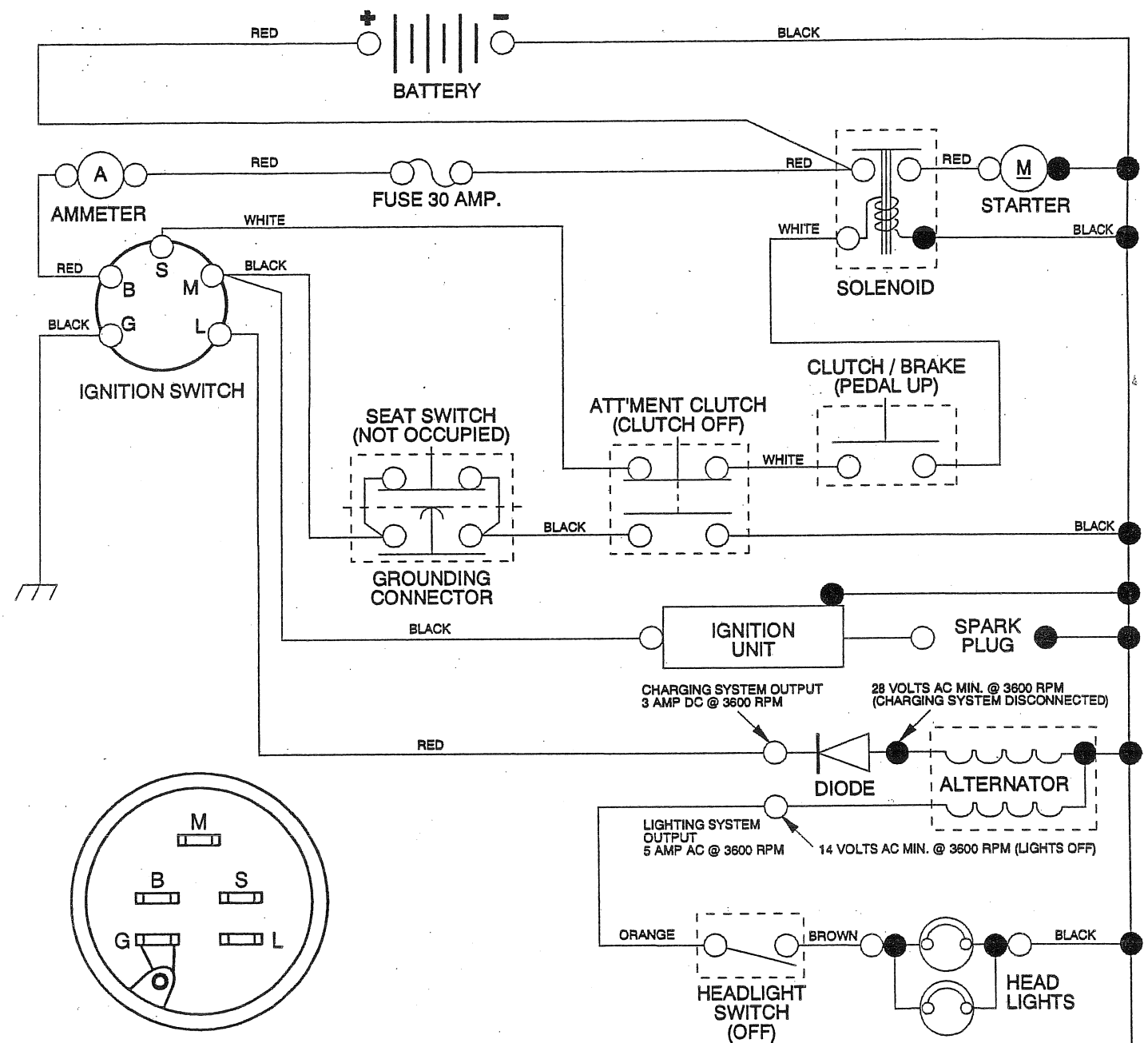
TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Engine continues to run when operator leaves seat with attachment clutch engaged	1. Faulty operator-safety presence control system.	1. Check wiring, switches and connections. If not corrected, contact an authorized service facility.
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.

SERVICE NOTES

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

SCHEMATIC



WIRING INSULATED CLIPS

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

NOTE

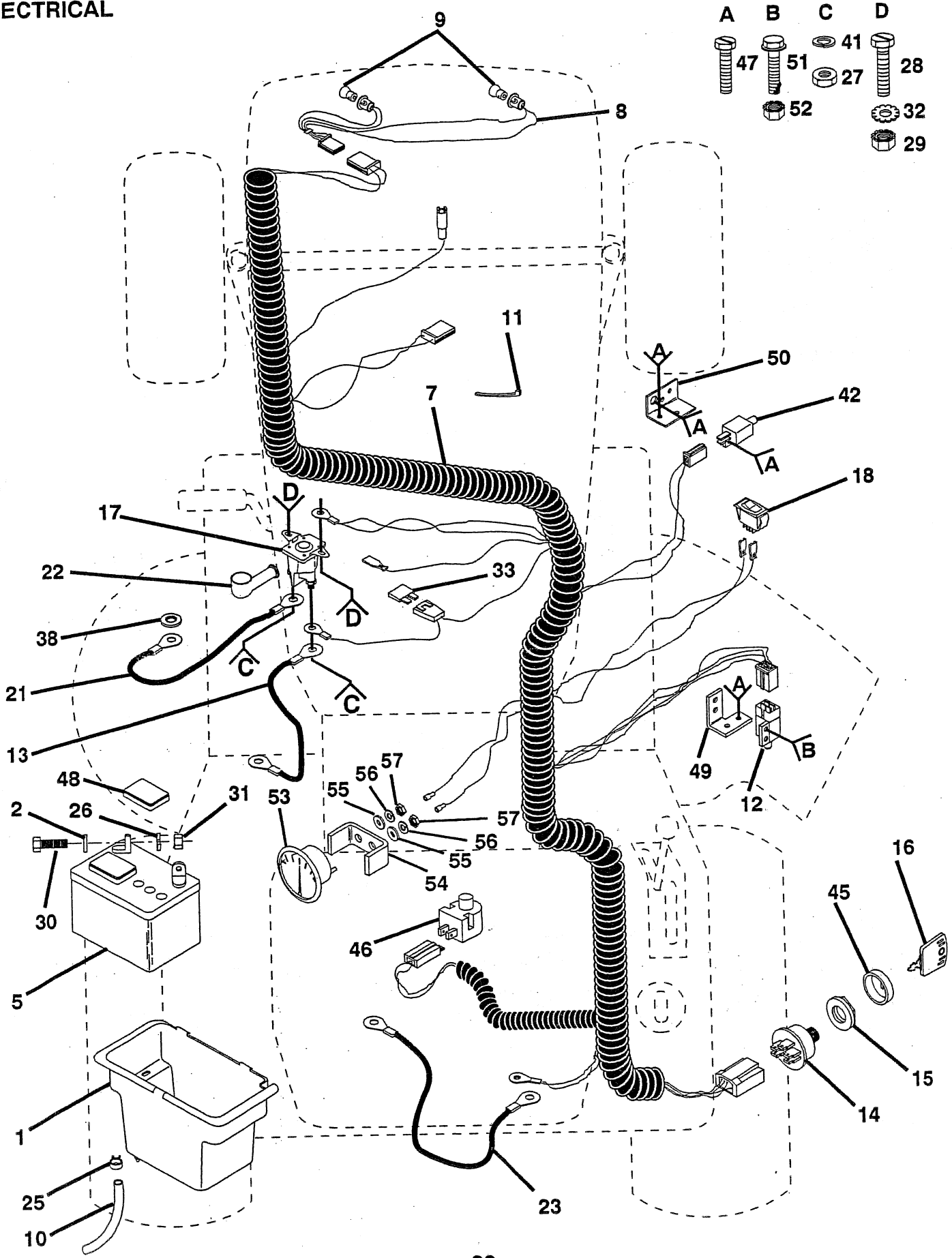
YOUR TRACTOR IS EQUIPPED WITH A SPECIAL ALTERNATOR SYSTEM. THE LIGHTS ARE NOT CONNECTED TO THE BATTERY, BUT HAVE THEIR OWN ELECTRICAL SOURCE. BECAUSE OF THIS, THE BRIGHTNESS OF THE LIGHTS WILL CHANGE WITH ENGINE SPEED. AT IDLE THE LIGHTS WILL DIM. AS THE ENGINE IS SPEEDED UP, THE LIGHTS WILL BECOME THEIR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

● NON-REMOVABLE CONNECTIONS

○ REMOVABLE CONNECTIONS

REPAIR PARTS

12.5 HP 42" TRACTOR-MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42
ELECTRICAL



REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

ELECTRICAL

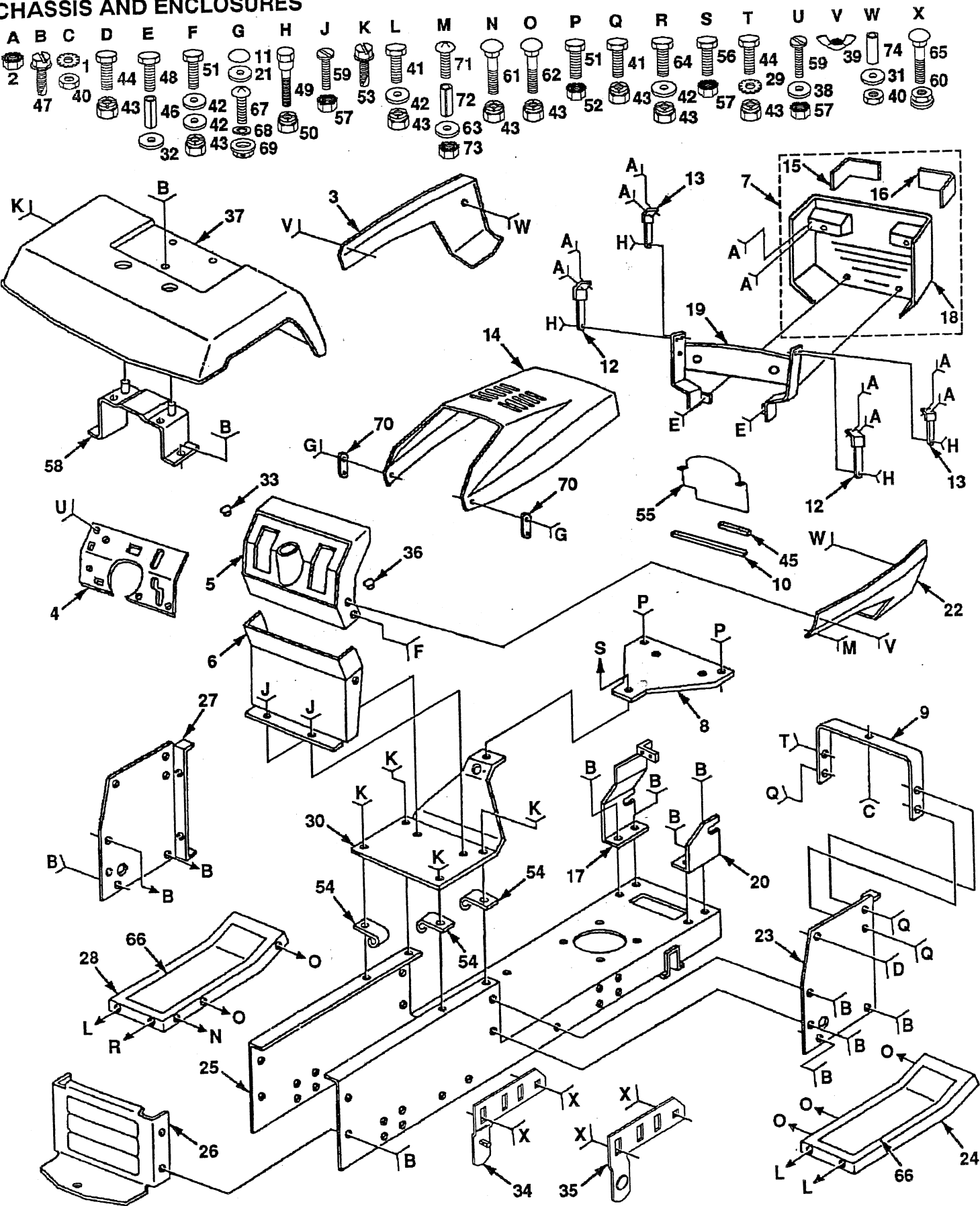
KEY PART NO.	PART NO.	DESCRIPTION
1	532133753	Box, Battery, w/o Lid
2	819091016	Washer 9/32 x 5/8 x 16 Gauge
5	532121265	Battery, 12 Volt, 25 Amp
7	532135603	Harness, Ignition
8	532136850	Harness, Light
9	532004152	Bulb, Light
10	532109238	Tube, Battery Drain
11	532124756	Cable Tie
12	532109553	Switch, Interlock, 4 Terminal
13	532124964	Cable, Battery, Red, 6 Gauge, 39"
14	532125104	Switch, Ignition, 5 Terminal
15	532124211	Nut, Ignition
16	532122147	Key, Ignition
17	532138406	Solenoid
18	532110712	Switch, Light
21	532124780	Cable, Battery, Red, 6 Gauge, 11"
22	532131563	Cover, Terminal, Red
23	532124773	Cable, Ground, Black, 6 Gauge, 12"
25	532109596	Clamp, Hose
26	810040400	Washer, Lock, Heavy Helical 1/4
27	873350400	Nut, Hex, Jam 1/4-20 UNC
28	874780408	Bolt, Hex Head, Fin. 1/4-20 UNC x 1/2 Grade 5
29	873510400	Nut, Hex, Keps 1/4-20 UNC
30	874760412	Bolt, Hex Head 1/4-20 UNC x 3/4
31	873220400	Nut, Hex, Fin. 1/4-20 UNC
32	811050400	Washer, Lock, External Tooth 1/4
33	532108824	Fuse, 30 AMP, Green
38	811150400	Washer, Lock, Internal Tooth 1/4
41	810090400	Washer, Lock 1/4
42	532104445	Switch, Interlock, 2 Terminal
45	532123620	Cover, Key Switch
46	532121305	Switch, Plunger
47	817021008	Screw, Hex Head, Self-Tapping #10-24 UNC x 1/2
48	532121264	Caps, Battery
49	532108236	Bracket, Clutch Switch
50	532130890	Bracket, Interlock Switch
51	871031008	Screw, Hex Washer Head #10-32 x 1/2
52	873951000	Nut, Hex, Keps #10-32 UNF
53	532124900	Ammeter, Round, 15 Amp
54	532131708	Bracket, Ammeter
55	819070818	Washer 7/32 x 1/2 x 18 Gauge
56	810101000	Washer, Lock
57	873911000	Nut

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

REPAIR PARTS

12.5 HP 42" TRACTOR-MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

CHASSIS AND ENCLOSURES



REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

CHASSIS AND ENCLOSURES

KEY PART NO. NO.

DESCRIPTION

1	811050400	Washer, Lock, External Tooth 1/4
2	873510400	Nut, Hex, Keps 1/4-20 UNC
3	532125393	Side Panel, LH
4	532125455	Plate, Dash
5	532124182	Dashboard
6	532104783	Dash, Lower
7	532127321	Grill Assembly
8	532137654	Plate, Battery Support
9	532124130	Support, Dash
10	532104915	Strip, Foam
11	532110356	Cap, Black
12	532106784	Strap Assembly, Hinge, Rear
13	532104618	Strap Assembly, Hinge, Front
14	532125454	Hood
15	532124250	Lens, Headlight, LH, Smoked
16	532124251	Lens, Headlight, RH, Smoked
17	532121610	Pivot Bracket Assembly, LH
18	532127324	Grille
19	532126025	Support Assembly, Grille
20	532110852	Pivot Bracket Assembly, RH
21	532110357	Washer, Cap
22	137946X418	Side Panel, RH
23	532132069	Dash Panel, RH
24	532124914	Footrest, RH
25	532135034	Chassis
26	532137275	Drawbar
27	532137027	Dash Panel, LH
28	532124899	Footrest, LH
29	811050600	Washer, Lock, External Tooth 3/8
30	532125453	Saddle
31	819091216	Washer 9/32 x 3/4 x 16 Gauge
32	819071216	Washer 7/32 x 3/4 x 16 Gauge
33	532005479	Plug, Button
34	532134774	Pivot Bracket Assembly, Rear, LH
35	532134775	Pivot Bracket Assembly, Rear, RH
36	532134014	Plug, Dome, Black
37	126599X422	Fender
38	819111116	Washer 11/32 x 11/16 x 16 Gauge
39	532123198	Wing Nut, Plastic 1/4-20
40	873220400	Nut, Hex, Fin. 1/4-20 UNC

KEY PART NO. NO.

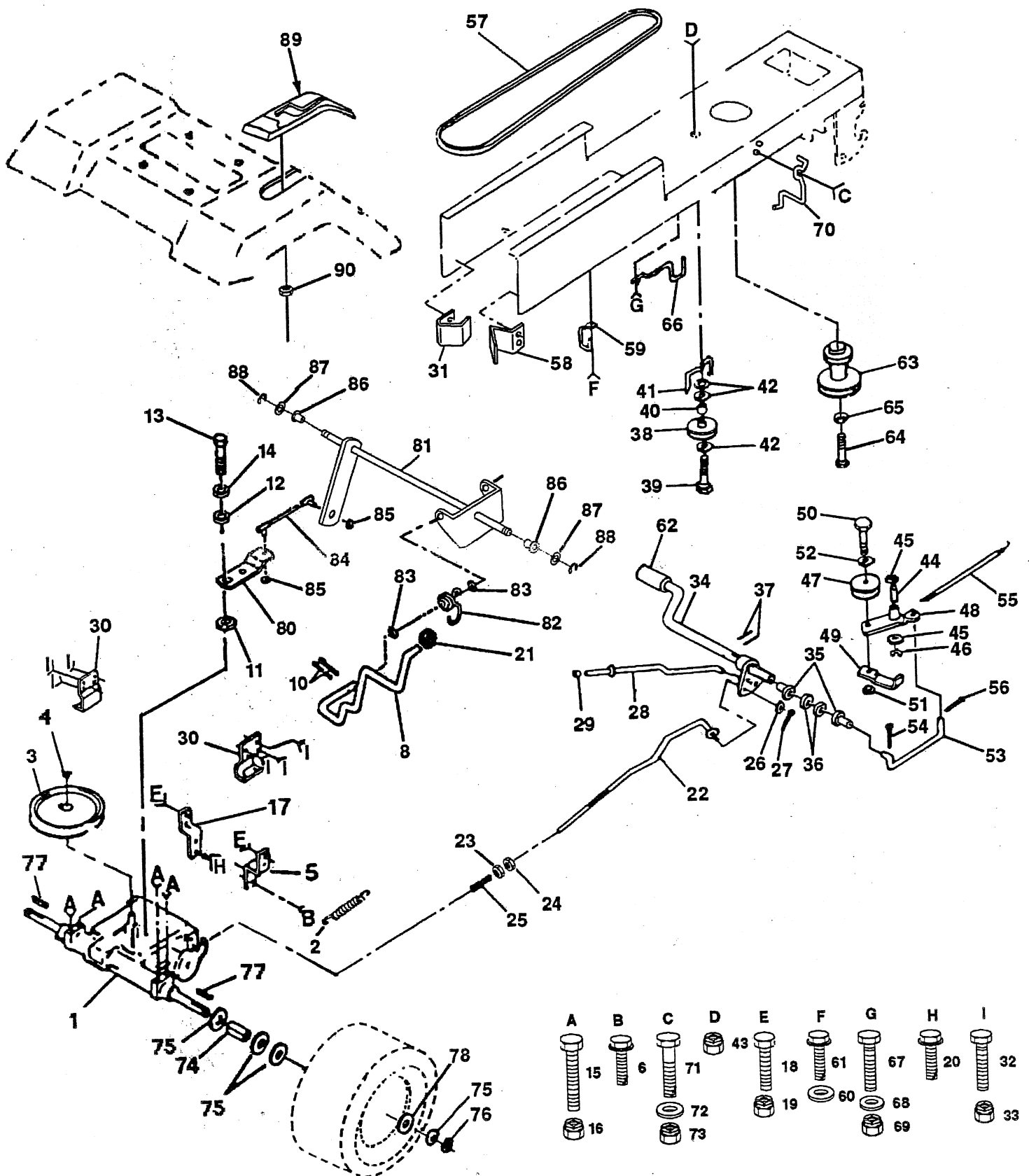
DESCRIPTION

41	874760612	Bolt, Hex, Fin. 3/8-16 UNC x 3/4
42	819131312	Washer 13/32 x 13/16 x 12 Gauge
43	873680600	Nut, Crownlock 3/8-16 UNC
44	874760616	Bolt, Hex, Fin. 3/8-16 UNC x 1
45	532105037	Strip, Foam
46	532121235	Spacer, Split
47	817490612	Screw, Thd., Roll. 3/8-16 x 3/4
48	874760440	Bolt, Hex, Fin. 1/4-20 UNC x 2-1/2
49	532123481	Bolt, Shoulder 1/4-20 UNC
50	873680400	Nut, Crownlock 1/4-20 UNC
51	874760620	Bolt, Hex, Fin. 3/8-16 UNC x 1-1/4
52	873510600	Nut, Hex, Keps 3/8-16 UNC
53	817490608	Screw, Thd., Roll. 3/8-16 x 1/2
54	532124996	Clip, Fuel Line
55	532126423	Baffle, Vertical
56	874780512	Bolt, Hex, Fin. 5/16-18 UNC x 3/4
57	873510500	Nut, Hex, Keps 5/16-18 UNC
58	532136619	Bracket Fender
59	874180512	Screw, Machine 5/16-18 UNC x 3/4
60	873800600	Locknut, Hex, with Washer Insert 3/8-16 UNC
61	872140608	Bolt, Carriage 3/8-16 UNC x 1
62	872110606	Bolt, Carriage 3/8-16 x 3/4
63	819070818	Washer 7/32 x 1/2 x 18 Gauge
64	874760614	Bolt, Hex, Fin. 3/8-16 UNC x 7/8
65	872140606	Bolt, Carriage 3/8-16 UNC x 3/4
66	532108256	Pad, Footrest
67	874191008	Screw, Machine, Cross Pan Head #10-24 x 1/2
68	810071000	Washer, Lock #10
69	532125004	Nut, Weld
70	532109808	Latch, Chute
71	874981020	Screw, Machine, Cross Pan Head #10-24 x 1-1/4
72	532007206	Spacer, Split #10 x 3/4
73	873731000	Nut, Hex, Keps #10-24 UNC
74	532001260	Spacer 17/64 x 1/2 x 3/8

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

REPAIR PARTS

12.5 HP 42" TRACTOR-MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42
DRIVE



REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

DRIVE

KEY PART NO. NO.

DESCRIPTION

1	-----	Transaxle 6sp 930 Peerless LT Model # 930-010
2	532110422	Spring Return Brake T/a Zinc
3	532123666	Pulley Transaxle 18"tires
4	812000028	Ring Retainer # 5100-62
5	532121520	Strap Torque 30 Degrees
6	817490512	Screw Thdrol 5/16-18 X 3/4 TYT
8	532127270	Rod Shifter Blk Zinc 13 17 Lg
10	876020416	Pin Cotter 1/8 X 1 Cad
11	532105701	Washer Plate Shf 388 Sq Hole
12	819091210	Washer 9/32 X 3/4 X 10 Ga
13	871040412	Bolt Fin Hex 1/4-28unfx3/4 Gr8
14	810040400	Washer Lock Hvy Helical 1/4
17	532127285	Strap Torque LT
18	874760612	Bolt Fin Hex 3/8-16unc X 3/4
19	873680600	Nut Crownlock 3/8-16 Unc
20	817490512	Screw Thdrol 5/16-18 X 3/4 TYT
21	532121274	Knob Duckhead 1/2-13unc Blk
22	532130804	Rod Brake Blk Zinc 27 326
23	873800600	Nut Lock Hex W/wsh 3/8-16unc
24	873350600	Nut Hex Jam 3/8-16 Unc
25	532106888	Spring Rod Brake 2 00 Zinc
26	819131316	Washer 13/32 X 13/16 X 16 Ga
27	876020412	Pin Cotter 1/8 X 3/4 Cad
28	532133261	Rod Brake Parking 14 500
29	532071673	Cap Brake Parking Black
30	532130807	Bracket Mtg Transaxle
31	532127275	Keeper Belt LH LT 14 Ga
32	874760512	Bolt Hex Hd 5/16-18unc X 3/4
33	873680500	Nut Crown Lock 5/16-18
34	532122424	Shaft Asm Pedal Foot 1 930
35	532120183	Bearing Nylon Blk 629 Id
36	819211616	Washer 21/32 X 1 X 16 Ga
37	532124963	Pin Roll 3/16 X 1"
38	532123674	Pulley Idler Flat
39	874760644	Bolt Fin Hex 3/8-16unc X 2-3/4
40	532124965	Spacer Split 395 X 59 Bzp
41	532109070	Keeper Belt Retainer
42	819131312	Washer 13/32 X 13/16 X 12 Ga
43	873680600	Nut Crownlock 3/8-16 Unc
44	532105706	Bearing Nyl 503 X 628 X 1 25
45	532110812	Washer Hardened
46	812000039	Ring Klip #15304-50
47	532127783	Pulley Idler V Groove Plastic
48	532123789	Bellcrank Asm Clutch
49	532123205	Retainer Belt Style Spring

KEY PART NO. NO.

DESCRIPTION

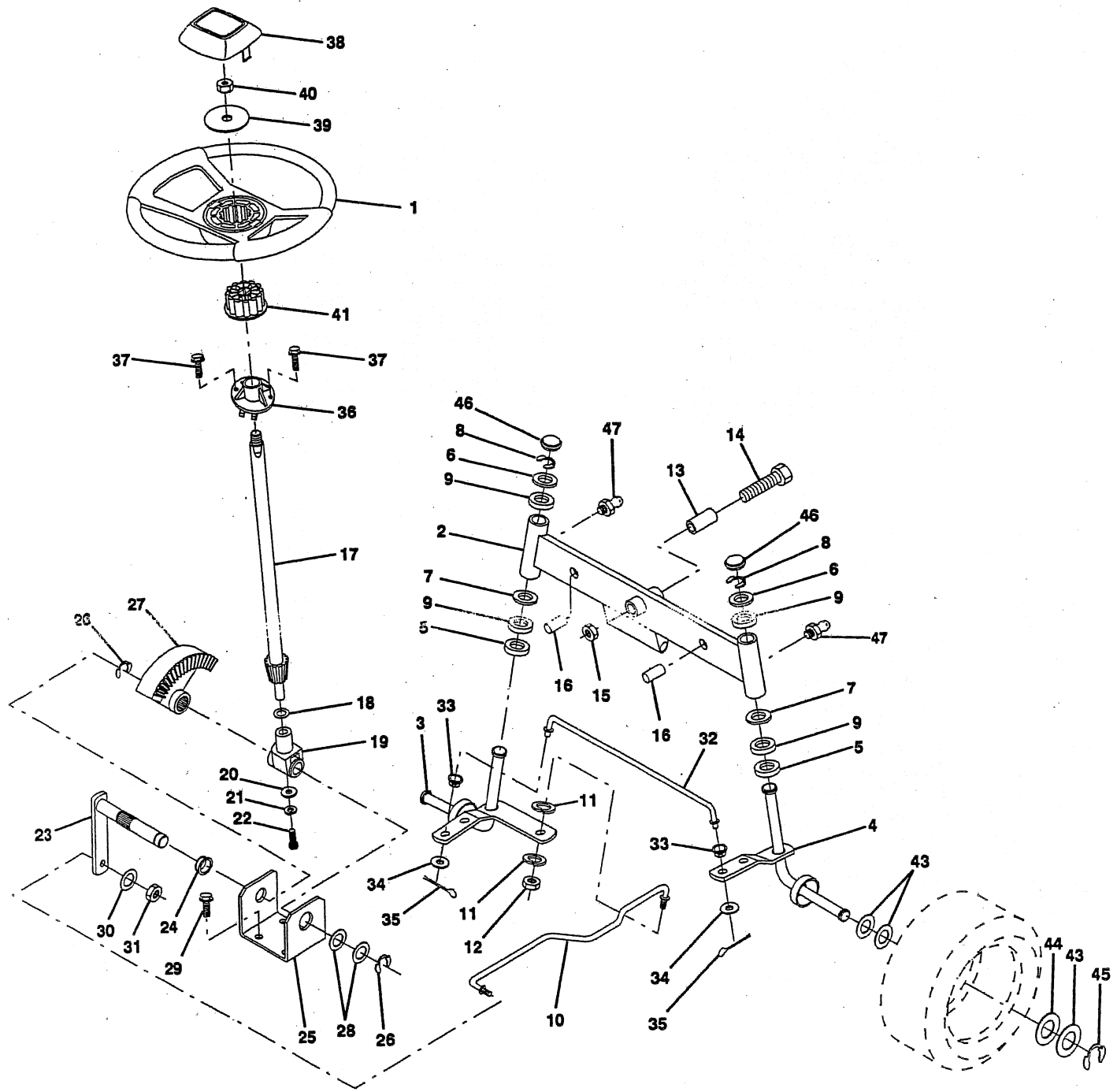
50	874760624	Bolt Hex Hd 3/8-16unc X 1-1/2
51	873680600	Nut Crownlock 3/8-16 Unc
52	819131316	Washer 13/32 X 13/16 X 16 Ga
53	532105710	Link Clutch 7 66
54	876020412	Pin Cotter 1/8 X 3/4 Cad
55	532105709	Spring Return Clutch 6 75
56	876020412	Pin Cotter 1/8 X 3/4 Cad
57	532138255	V-Belt Ground Drive 95 25 42"
58	532127274	Keeper Belt RH LT Pnt/zinc 16g
59	532136715	Keeper Belt Chassis Span Ctr
60	819131312	Washer 13/32 X 13/16 X 12 Ga
61	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
62	532123533	Cover Pedal Premuim
63	532134825	Engine Pulley LT/YT
64	871170764	Bolt Hex 7/16-20x4 Gr 5
66	532129921	Keeper Belt Engine LH LT
67	874760616	Bolt Fin Hex 3/8-16unc X 1
68	819131312	Washer 13/32 X 13/16 X 12 Ga
69	873680600	Nut Crownlock 3/8-16 Unc
70	532134683	Guide Belt Mower Drive RH
71	874760616	Bolt Fin Hex 3/8-16unc X 1
72	819132012	Washer 13/32 X 1-1/4 X 12 Ga
73	873680600	Nut Crownlock 3/8-16 Unc
74	532137057	Spacer Axle
75	532121749	Washer 25/32 X 1 1/4 X 16 Ga
76	812000001	E-ring #5133-75
77	532123583	Key Square 2 0 X 1845/ 1865
78	532121748	Washer 25/32 X 1-5/8 X 16 Ga
80	532131486	Arm Shift Transaxle
81	532136932	Shaft Asm Cross 18"t 42"deck
82	532123782	Spring Torsion T/a
83	819171216	Washer 17/32 X 3/4 X 16 Ga
84	532123793	Rod Link Shift Adj 3 710
85	873530400	Nut Nylock 1/4-28
86	532071208	Bushing Rod Strg 629/632 Id
87	819212016	Washer 21/32 X 1-1/4 X 16 Ga
88	812000008	Ring Klip #5304-62
89	532131636	Console Shift 6sp W/ign LT
91	874760536	Bolt Fin Hex 5/16-18uncx 2 1/4
93	873680500	Nut Crown Lock 5/16-18
94	810040700	Washer Lock Hvy Hlcl Spr 7/16
95	810100800	Washer Lock #8
96	874640808	Screw #8x1/2
97	819060718	Washer 3/16 X 7/16 X 18 Ga

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

REPAIR PARTS

12.5 HP 42" TRACTOR-MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

STEERING ASSEMBLY



REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

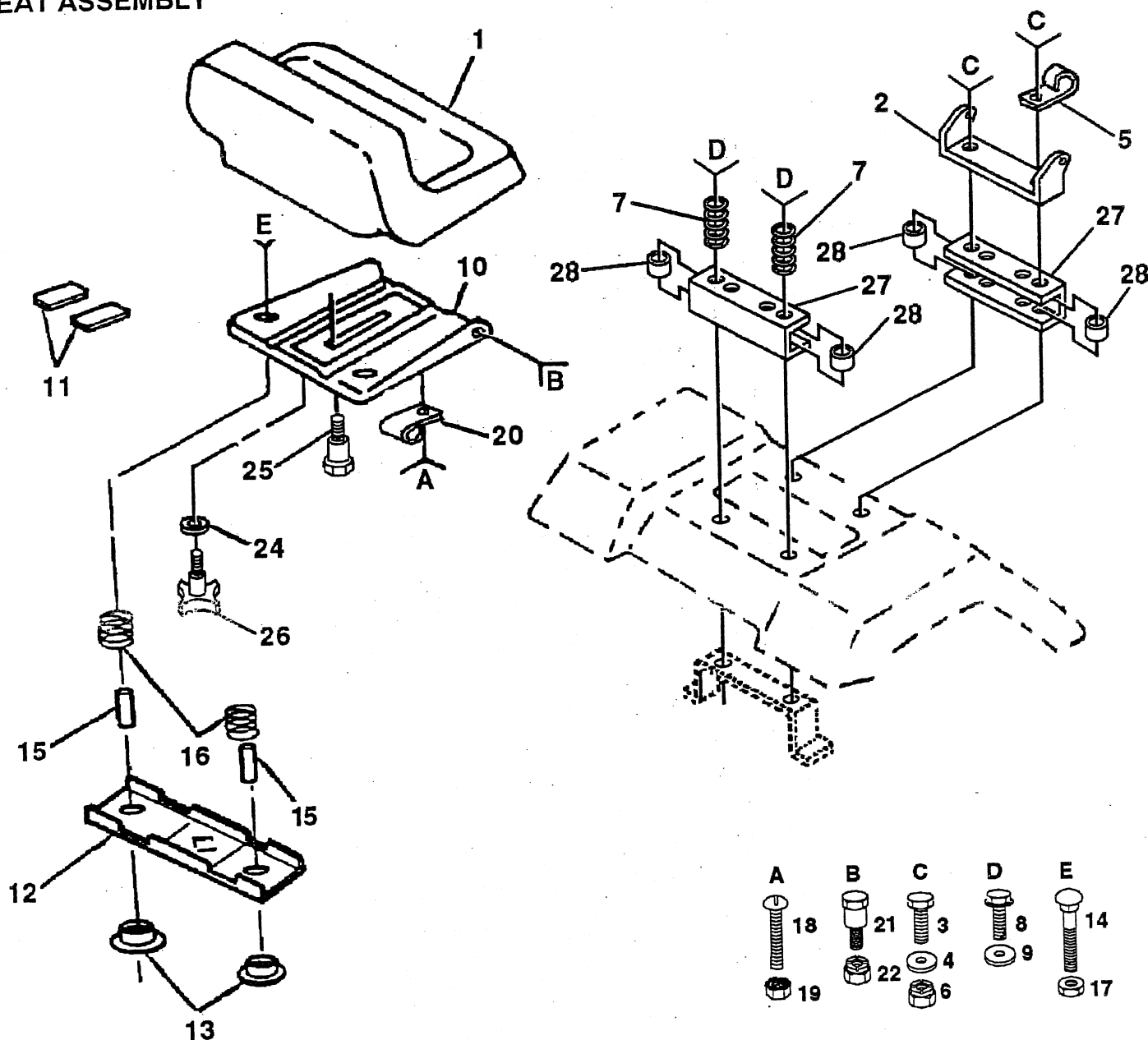
STEERING ASSEMBLY

KEY PART NO.	NO.	DESCRIPTION
1	532124415	Wheel Steering Auto Grey
2	532133988	Axle Asm Fr LT W/gzks 38/42
3	532135227	Spindle Asm LH
4	532135228	Spindle Asm RH
5	532124931	Bearing Race Thrust Harden
6	532121748	Washer 25/32 X 1-5/8 X 16 Ga
7	819272016	Washer 27/32 X 1-1/4 X 16 Ga
8	812000029	Ring Klip #t5304-75
9	532124937	Bearing Col Strg Blk
10	532130468	Link Drag Sol Ball Jt 20 064
11	810040600	Washer Lock Hvy Hlcl Spr 3/8
12	873610600	Nut Fin Hex 3/8-24 Unf
13	532110438	Spacer Bearing Axle Front
14	874011056	Bolt Hex 5/8-11 Unc X 3-1/2
15	873901000	Nut Lock Flange 5/8-11 Unc
16	532132624	Pin Axle 5/8 X 1 55/1 54 Lg
17	532128758	Shaft Asm Strg 18 31x3/4 Yp LT
18	532057079	Washer Thrust 515x 750x 033
19	532124035	Support Shaft
20	532126684	Washer Shim 1/4 X 5/8 X 062
21	810040400	Washer Lock Hvy Helical 1/4
22	871070410	Screw Hex Socket 1/4-20 X 5/8
23	532127501	Shaft Asm Pittman
24	532109816	Nyliner Snap In
25	532124036	Bracket Steering
26	812000029	Ring Klip #t5304-75
27	532124034	Gear Sector
28	532124931	Bearing Race Thrust Harden
29	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
30	810040600	Washer Lock Hvy Hlcl Spr 3/8
31	873610600	Nut Fin Hex 3/8-24 Unf
32	532130465	Rod Tie Wire Form 19 75 Mech
33	532126847	Bushing Link Drag Blk LR
34	819131416	Washer 13/32 X 7/8 X 16 Ga
35	876020412	Pin Cotter 1/8 X 3/4 Cad
36	532124720	Bushing Strg Blk 742/747 Id
37	817431008	Screw Slftp #10-16 X 1/2 Ty-b
38	532124416	Insert Cap Strg Wh Aut Hus Gry
39	532100712	Washer 53 X 2 25 X 160 Zinc
40	873940800	Nut Hex Jam Toplock 1/2-20 Unf
41	532100711	Adapter Wheel Strg 758/ 753id
43	532121749	Washer 25/32 X 1 1/4 X 16 Ga
44	532121748	Washer 25/32 X 1-5/8 X 16 Ga
45	812000029	Ring Klip #t5304-75
46	532121232	Cap Spindle Fr Top Blk
47	532124836	Fitting Grease

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

REPAIR PARTS

12.5 HP 42" TRACTOR-MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42
SEAT ASSEMBLY



KEY PART NO. NO.

DESCRIPTION

1	532124185	Seat V-450 Gry/blk Std
2	532126656	Bracket Pivot Seat 8 720
3	874760640	Bolt Hex Fin 3/8-16unc X 2-1/2
4	819131210	Washer 13/32 X 3/4 X 10 Ga
5	532124996	Clip Line Fuel 13/32 Mtg Hole
6	873680600	Nut Crownlock 3/8-16 Unc
7	532124181	Spring Seat Cprsn 2 250 Blk Zi
8	817490640	Screw Hwsh Thdrol 3/8-16x2-1/2
9	819131614	Washer 13/32 X 1 X 14 Ga
10	532131451	Pan Seat
11	532121251	Strip Foam Gray Or Black
12	532121246	Bracket Mounting Switch
13	532121248	Bushing Snap Blk Nyl 50 Id
14	872050411	Bolt Rdhd Sht Nk 1/4-20x1-3/8
15	532134300	Spacer Split 28x 96 Yel Zinc

KEY PART NO. NO.

DESCRIPTION

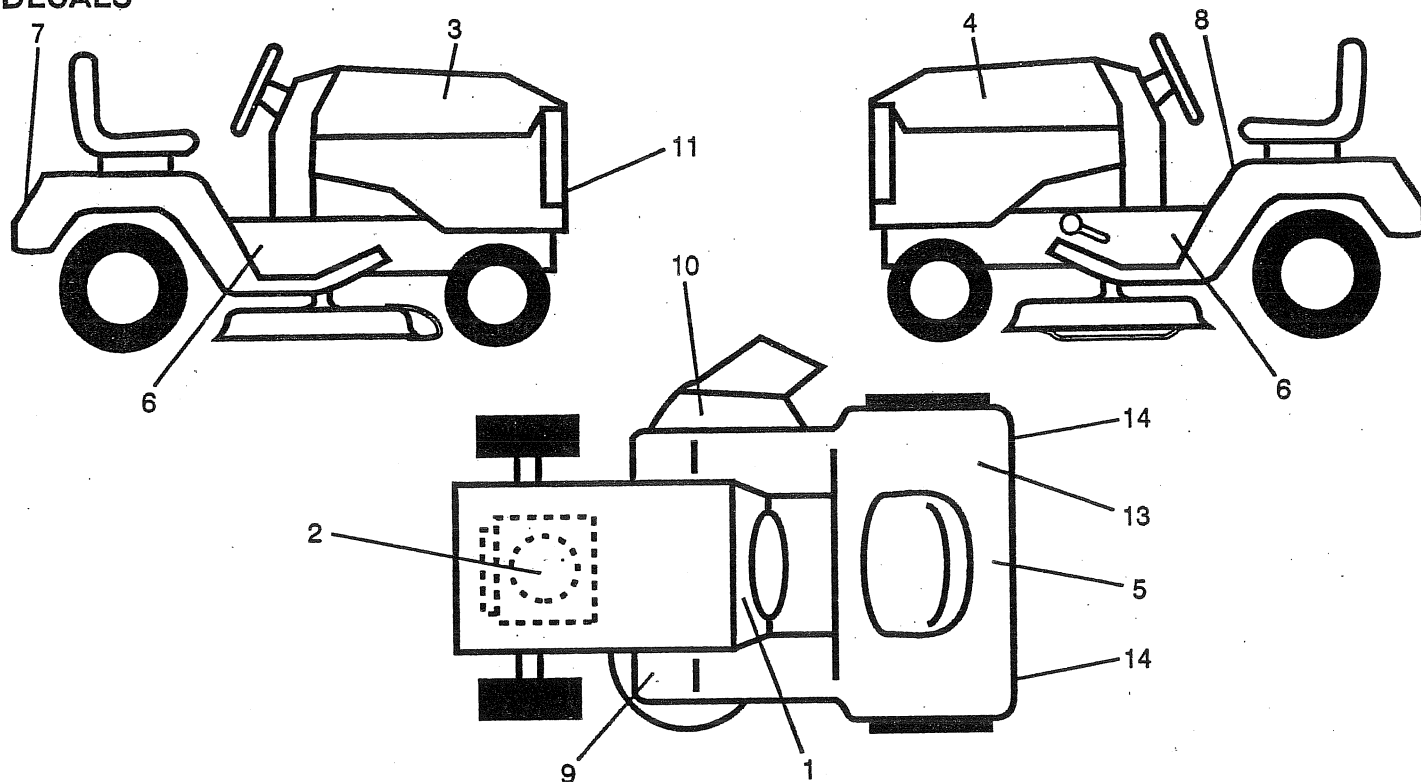
16	532121250	Spring Cprsn 1 27 Blk Pnt
17	532123976	Nut Lock 1/4 Lge Flg Gr 5 Zinc
18	874641008	Screw SLTD Pan Hd #10-32 X 1/2
19	873951000	Nut Keps #10-32 Unf
20	532124967	Clip Insulated 11/32 Mtg Hole
21	532105529	Bolt Shoulder 5/16-18 Unc Blkz
22	873680500	Nut Crown Lock 5/16-18
24	819171912	Washer 17/32 X 1-3/16 X 12 Ga
25	532127018	Bolt Shoulder 5/16-18 X 62
26	532120068	Knob Seat 1/2-13unc Blk
27	532131772	Spacer Seat
28	532131771	Spacer Split

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

REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

DECALS



KEY PART NO. NO.

DESCRIPTION

1	532136795	Decal Instruction Dash Eng/fr
2	532129057	Decal Engine 12 5HP B&S
3	532137708	Decal Hood RH Husq LT125
4	532137707	Decal Hood LH Husq LT125
5	532121549	Decal Caution Battery Fr/ger
6	532125946	Decal Chassis Lawn Tractor
7	532131582	Decal Fender Husqvarna
8	532133795	Decal Caution Fender Eng/fr
8A	532126155	Decal Inst Warn Sw/nor/dan/fin
8B	532126348	Decal Inst Warn Span/ital
9	532101892	Decal Clutch/brake Eng/fr
10	532137259	Decal Warning MULT-LANGUAGE
11	532125989	Decal Grille Husqvarna "h" logo

KEY PART NO. NO.

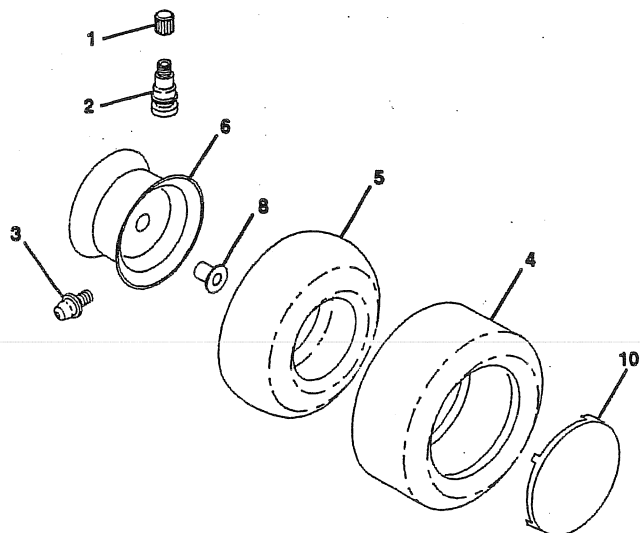
DESCRIPTION

13	532125690	Decal 100 DbA
14	532106202	Reflector Tail Light Red/amber
-	532138311	Decal Lift Handle (Lift Handle)
-	532137948	Manual Owners H12542a English
-	532137949	Manual Owners H12542a French

Available accessories not included with tractor:

-	BD20	42" Snow blade
-	GWN42	Guage Wheels for 42" Vent Deck
-	LAO18	Tire Chains
-	LC05	33 lb. Weights (pairs)
-	SB20	40" Snow Thrower

WHEELS & TIRES



KEY PART NO. NO.

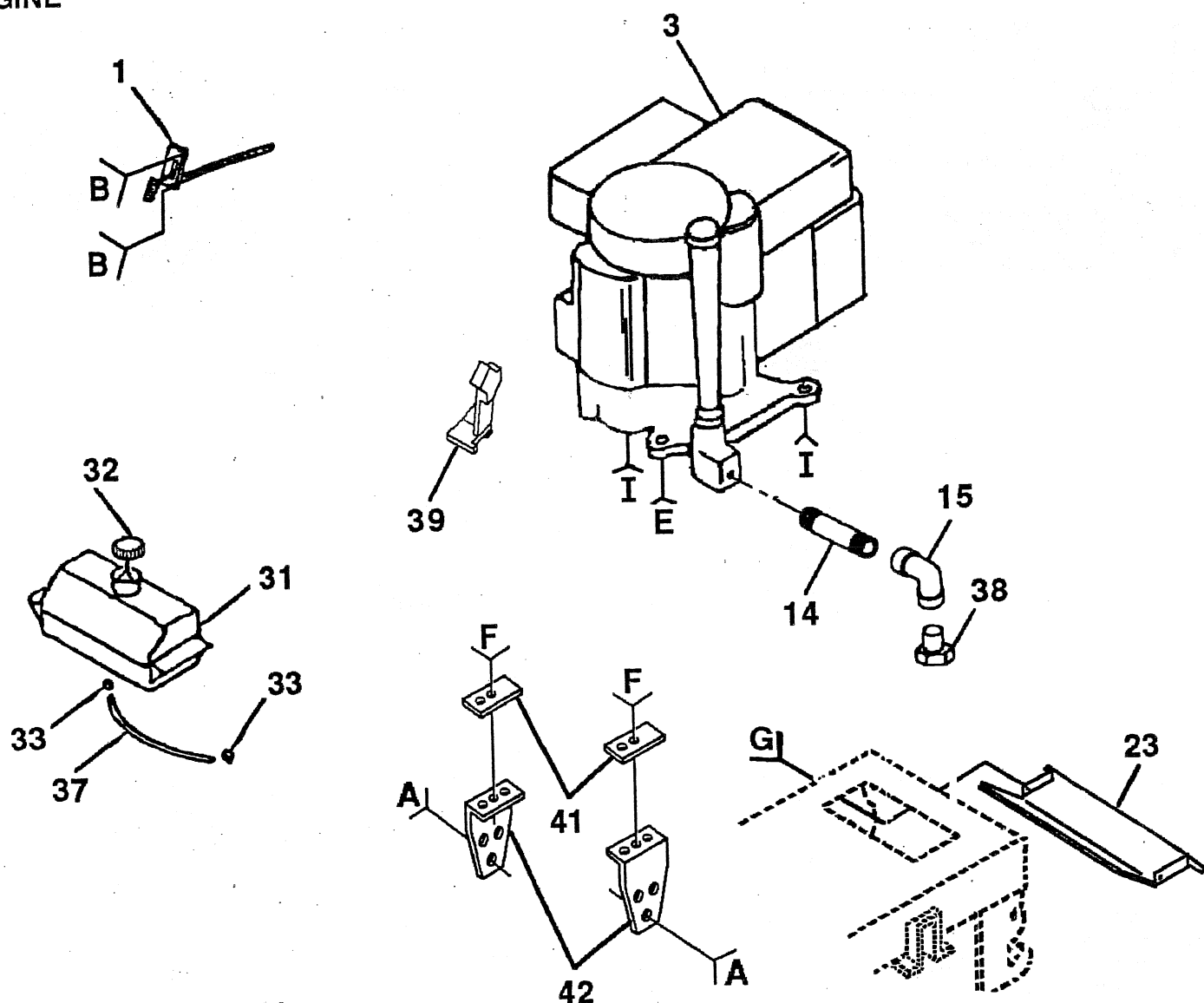
DESCRIPTION

1	532059192	Cap Valve Tire
2	532065139	Stem Valve
3	532124957	Fitting Grease (Front Wheel Only)
4	532106222	Tire F Ts 15 X 6 0 - 6 Service
	532106268	Tire R Ts 18x9 5-8 C Service
5	532059904	Tube Front (Service Item Only)
	532124926	Tube Rear (Service Item Only)
6	532124999	Rim Asm 8"rear White Service
8	532124959	Bearing Flange (Front Wheel Only)
10	532124577	Cover Wheel 6"white
	532124578	Cover Wheel 8"white

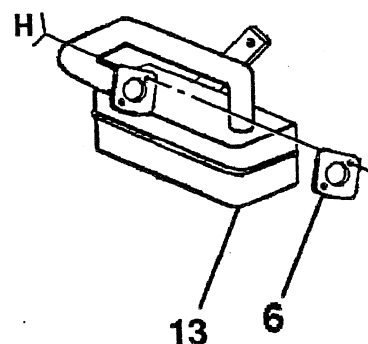
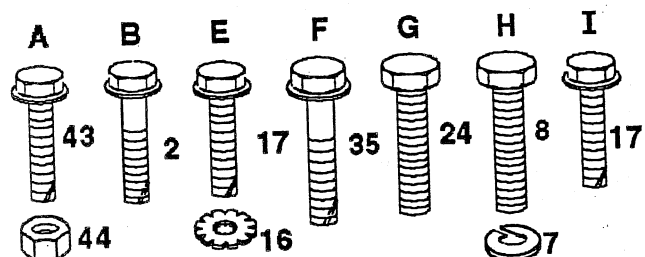
NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42
ENGINE



OPTIONAL EQUIPMENT
Spark Arrester



REPAIR PARTS

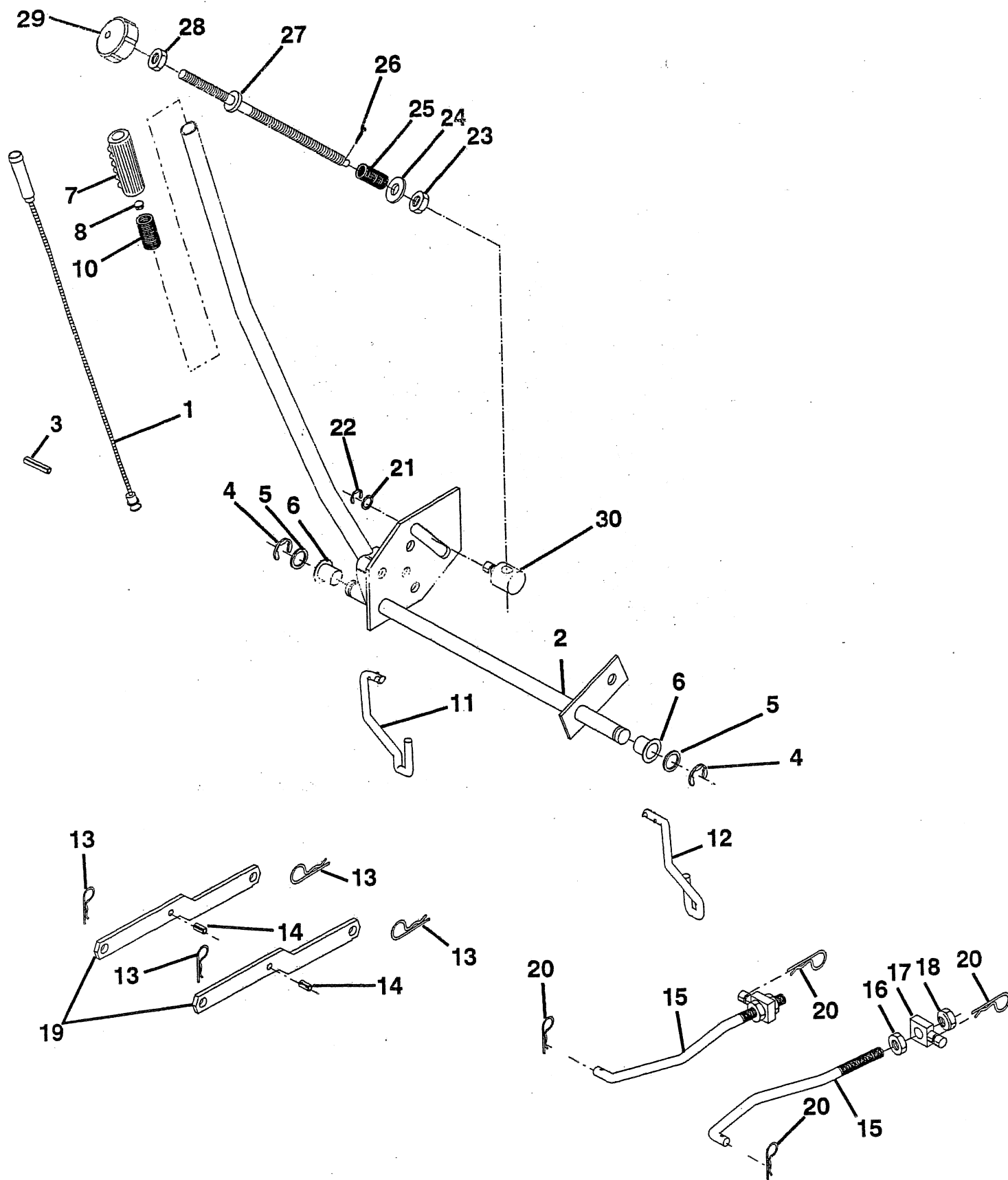
12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42
ENGINE

KEY PART NO.	NO.	DESCRIPTION
1	532132750	Control Th/ch RH Blk Flg 35 85
2	817720410	Screw Hex Thd Cut 1/4-20x5/8 T
3	-----	Engine B&S 12 5HP lcc Dual 1vt Model No. 286707
6	532125593	Gasket Eng 1 313 Id Tin Plated
7	810040500	Washer Lock Hvy Hlcl Spr 5/16
8	871070510	Screw Hexhd Cap 5/16-18x5/8
13	532137348	Muffler LT B&S 12/12 5 HP
14	813280324	Nipple Pipe 3/8 Npt X 3"
15	813200300	Elbow Std 90 Degree 3/8-18 Npt
16	811050600	Washer Lock Ext Tooth 3/8
17	817490620	Screw Thdrol 3/8-16x1-1/4 TYTT
23	532128953	Shield Heat Browning LT/YT
24	817021008	Screw Tap Hex #10-24unc X 1/2
29	532137180	Kit Spark Arrestor (Flat Scrn)
31	532109202	Tank Fuel Front 1 25
32	532123549	Cap Asm Fuel W/sym Vented
33	532123487	CLAMP Hose Blk
35	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
37	532124923	Line Fuel 7 5"
38	-----	Plug Oil Drain (Order From Engine Manufacturer)
39	532133097	Stop Throt 2700 Rpm
41	532128230	Strap Support Fuel Tank
42	532128229	Bracket Support Tank Fuel
43	874760616	Bolt Fin Hex 3/8-16unc X 1
44	873680600	Nut Crownlock 3/8-16 Unc

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

REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42
MOWER LIFT ASSEMBLY



REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42
MOWER LIFT ASSEMBLY

KEY PART NO. NO.	DESCRIPTION
1 532136973	Wire Asm Inner W/plunger 17 32
2 532137111	Shaft Asm Lift 93 LH Lift
3 532105767	Pin Groove 1 500 Zinc
4 812000002	E Ring #5133-62
5 819211416	Washer 21/32 X 7/8 X 16 Ga
6 532120183	Bearing Nylon Blk 629 Id
7 532125631	Grip Handle Fluted Blk
8 532124526	Button Plunger Black
10 532122512	Spring Cprsn 3 750 Oiled
11 532134619	Link Lift LH Fixed Length
12 532135388	Link Lift RH Fixed Length
13 532124670	Retainer Spring
14 532135563	Pin Roll SLT 5/16 X 1 25 Blk O
15 532127218	Link Front
16 873350800	Nut Jam Hex 1/2-13 Unc
17 532130171	Trunnion Blk Zinc
18 873800800	Nut Lock W/wsh 1/2-13unc
19 532130832	Arm Suspension Rear
20 532124660	Retainer Spring
21 819151216	Washer 15/32 X 3/4 X 16 Ga
22 812000037	Ring Klip #t5304-37
23 532110807	Nut Special
24 819131016	Washer 13/32 X 5/8 X 16 Ga
25 532124874	Spring 2-1/8"
26 876020308	Pin Cotter 3/32 X 1/2
27 532110729	Rod Adj Lift Zinc 9 00 Wrk Lg
28 873350600	Nut Hex Jam 3/8-16 Unc
29 532138057	Knob Inf 3/8-16 Unc Blk W/sym
30 532110810	Trunnion Dp Stop Dbl Thds PLT

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

REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

42" MOWER

REPAIR PARTS

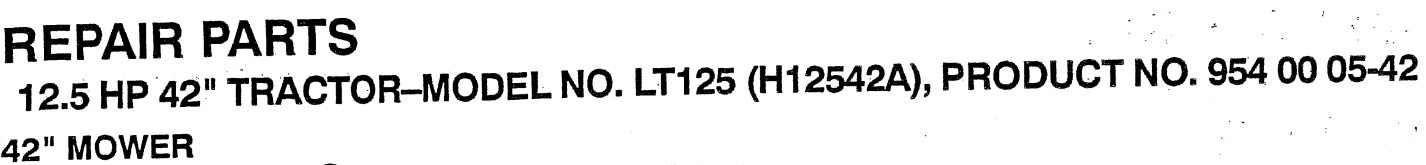
12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

42" MOWER

REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

42" MOWER



REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

42" MOWER

KEY PART NO. NO.

DESCRIPTION

1	532138024	Deck Asm MWR 42"weldment
2	872140506	Bolt Rdhd Sqnk 5/16-18unc X3/4
3	532138017	Bracket Asm Fr Sway Bar 38/42
4	532138440	Bracket Asm Deck 42"sway Bar
4A	532132827	Bolt Shoulder
5	532124670	Retainer Spring
6	532130832	Arm Suspension Rear
7	873800500	Locknut-hex W/ins 5/16-18unc P
8	532850857	Bolt 3/8-24x1 25 Gr8 Patched
9	810030600	Washer Lock Hvy 3/8 Unplated
10	532129962	Washer Hard Blade Mower Vented
11	532138498	Blade Mower High Perf 42"
12	532129895	Bearing Ball #6204 (Mandrel)
13	532133172	Shaft Asm W/lower Bearing
14	532128774	Housing Mandrel Vented(machd)
15	532110485	Bearing Ball Mandrel
16	532136929	Stripper Mower Vented
17	872110618	Bolt Rdhd Sqnk 3/8-16 X 2-1/4
18	872110505	Bolt Carr 5/16-18 X 5/8 Short
19	873800500	Locknut-hex W/ins 5/16-18unc P
20	532136888	Baffle Vortex 42
21	873680500	Nut Crown Lock 5/16-18
22	532134753	Stiffener Bracket 42"deck
23	532131267	Bracket Deflector Mower 42"
24	532105304	Cap Sleeve 80x 112 Blk Mower
25	532123713	Spring Torsion Deflector 2 52
26	532110452	Nut Push Phos & Oil
27	532130968	Shield Deflector Mower 42" Blk
28	819111016	Washer 11/32 X 5/8 X 16 Ga
29	532131491	Rod Hinge 42"6 75 Wlg
30	532078158	Bolt 5/16-18 X 1 25 T/t
31	532129963	Washer Spacer Mower Vented
32	532129861	Pulley Mandrel 42"
33	873050900	Nut 9/16top Lock Fling Oil Dip
34	872110614	Bolt Rdhd 3/8-16uncx1-3/4 Gr5
35	532133835	Fastner Christmas Tree
36	532131494	Pulley Idler Flat 3 060
37	819131612	Washer 13/32 X 1 X 12 Ga
38	532133502	Spacer Arm Idler Upper Hdn 42"
39	532133503	Stiffener Arm Idler Upper 42"

KEY PART NO. NO.

DESCRIPTION

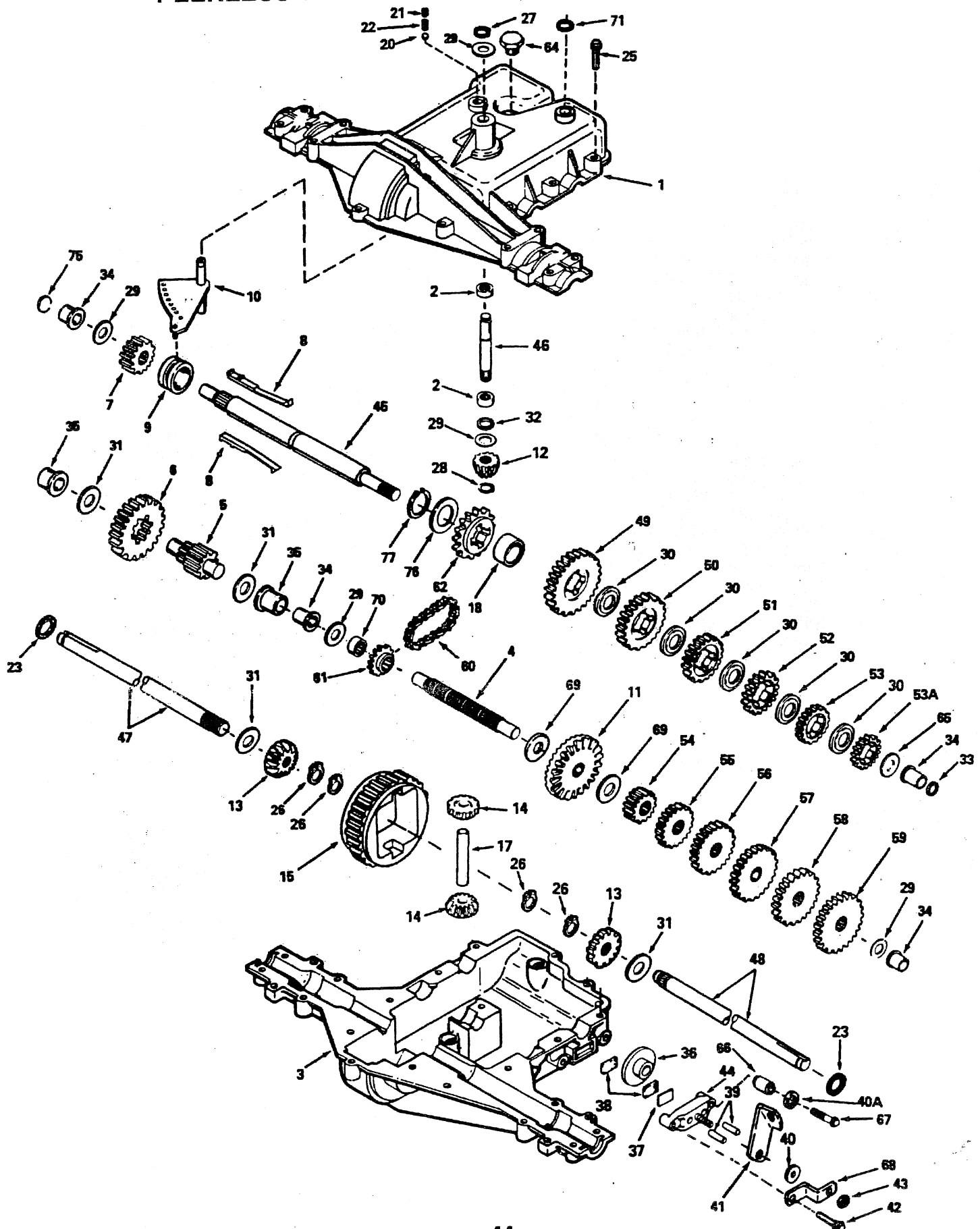
40	873680600	Nut Crownlock 3/8-16 Unc
41	532133551	Rod Pivot W/nibs
42	876020312	Pin Cotter 3/32 X 3/4 Cad
43	532133504	Rod Clutch Secondary W/nibs
44	532134236	Guard Mandrel LH Black
45	532124788	Spring Retainer 1" Zinc/cad
46	817720410	Screw Hex Thd Cut 1/4-20x5/8 T
47	532131335	Spring Extension
48	532133944	Washer Hardened Smaller
49	532133940	Roller Asm Cam Follower 42"dec
50	532131340	Bolt Shldr 10-24 Zinc Gr 5 42"
51	532069180	Nut Lock #10-24 Unc
52	532105529	Bolt Shoulder 5/16-18 Unc Blkz
53	532131845	Arm Asm Pad Brake
54	532133943	Washer Hardened
55	532133844	Arm Idler 42"mower LT/YT
56	532122052	Spacer Retainer Pm Mower
57	532127498	Bushing 747 Od X 794 Lg Brass
58	532128759	Spring Clutch Mower 2 750 Zinc
59	532131813	Lever Asm Clutch Primary Yp
60	532134666	Rod Clutch Primary 38/42
61	532131870	Spring Return
62	532127847	Arm Clutch Secondary
63	532121748	Washer 25/32 X 1-5/8 X 16 Ga
64	812000029	Ring Klip #t5304-75
65	532128903	Bolt Shoulder 3/8-16 Unc 1 44
66	532127845	Keeper Spring 4 000
67	532132044	Cover Handle Round Black 5 25
68	532130969	V-Belt Mower 42" 92 40
69	874760616	Bolt Fin Hex 3/8-16unc X 1
70	532132274	Bracket Asm Noseroller LH
71	873680600	Nut Crownlock 3/8-16 Unc
72	819171416	Washer 17/32 X 7/8 X 16 Ga
73	532132264	Roller Nose 38 & 42
89	532132273	Bracket Asm Noseroller RH
--	532136328	Deck Serv 42" Mech Vent Europe
--	532130794	Mandrel Assembly (Includes Key Numbers 8-10, 12-15, 31 and 33)

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

REPAIR PARTS

12.5 HP 42" TRACTOR-MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

PEERLESS TRANSAXLE - - MODEL NUMBER 930-010



REPAIR PARTS

12.5 HP 42" TRACTOR—MODEL NO. LT125 (H12542A), PRODUCT NO. 954 00 05-42

PEERLESS TRANSAXLE - - MODEL NUMBER 930-010

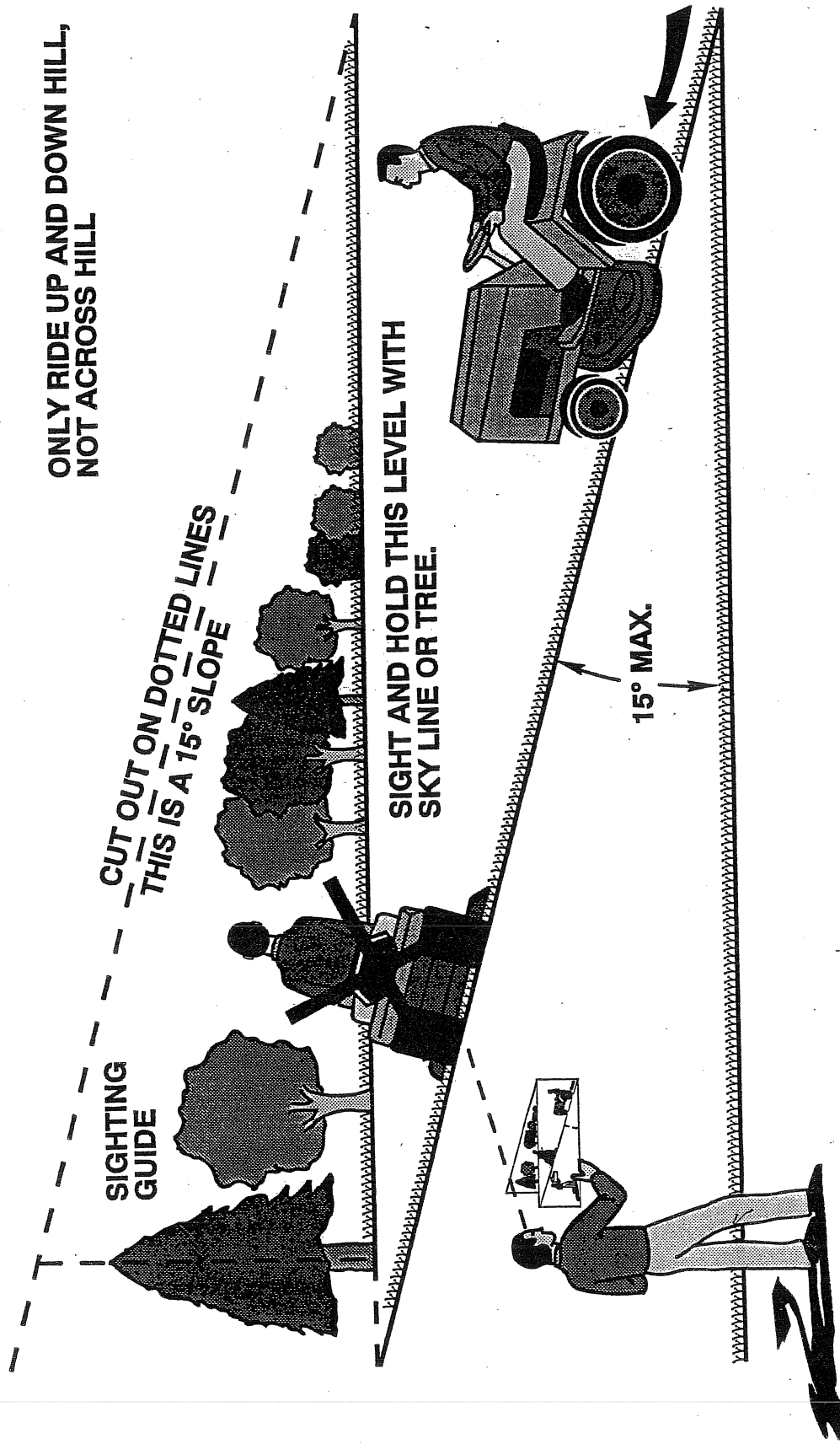
REF PART NO. NO.	DESCRIPTION	REF PART NO. NO.	DESCRIPTION
1 772108	Cover, Transaxle	42 792073	Screw, Flanged Hex Head, Thread Forming 1/4-20 x 1-1/4
2 780086	Bearing, Needle	43 792075	Locknut 5/16-24
3 770102	Case, Transaxle	44 790025	Holder, Brake Pad
4 776260	Shaft, Counter	45 776315A	Shaft, Brake, 4-Keyed
5 776219	Shaft and Pinion Assembly, Output	46 776135	Shaft, Input
6 778139	Gear, Output	47 774690	Axle, 11-15/16"
7 778136	Gear Spur 15 Teeth	48 774691	Axle, 16-1/2"
8 792136	Key	49 778191	Gear, Spur 37 Teeth
9 784352	Collar, Shifter	50 778125	Gear, Spur 35 Teeth
10 784355	Rod & Fork Assembly, Shift	51 778124A	Gear, Spur 30 Teeth
11 778229	Gear, Bevel 42 Teeth	52 778123A	Gear, Spur 25 Teeth
12 778113A	Bevel Pinion, Input	53 778122A	Gear, Spur 22 Teeth
13 778221	Gear, Bevel	53A 778209	Gear, Spur 19 Teeth
14 778068	Gear, Bevel Pinion	54 778230	Gear, Spur 12 Teeth
15 778260	Gear, Ring	55 773151	Gear, Spur 15 Teeth
17 786139	Pin, Drive	56 778126A	Gear, Spur 20 Teeth
18 786102	Spacer, Neutral	57 778127A	Gear, Spur 25 Teeth
20 792077	Ball, Steel 5/16" diameter	58 778128A	Gear, Spur 28 Teeth
21 792078	Set Screw 3/8-16 x 3/8	59 778163	Gear, Spur 31 Teeth
22 792079	Spring	60 786081	Chain, Roller (Number 41 Chain, 24 Links)
23 788061	Ring, Felt	61 786082	Sprocket 9 Teeth
25 792073	Screw, Flanged Hex Head, Thread Forming 1/4-20 x 1-1/4	62 786123	Sprocket 18 Teeth
26 792125	Ring, Retainer (4 Required, Package Of 2)	64 792074	Plug, Hex Head, Threaded 9/16-18
27 792035	Ring, Retainer	65 780109	Washer, Thrust
28 788040	Ring, Retainer	66 786067	Spacer
29 780072	Washer, Thrust	67 792085	Screw, Flanged Hex Head, Thread Forming 1/4-20 x 2-1/4
30 780108	Washer, Thrust	68 786086	Bracket, Brake Lever
31 780001	Washer	69 780051	Washer, Thrust
32 792001	"O" Ring	70 786118	Spacer
33 788051	Seal, Square Cut	71 788069	Seal, Square Cut
34 780105A	Bushing, Flanged	75 786116	Disk
35 780118A	Bushing, Flanged	76 780090	Washer, Thrust
36 790003	Disk, Brake	77 788075	Ring, Retaining
37 790007	Plate, Brake Pad		
38 790006	Pad, Brake		
39 786026	Pin, Dowel		
40 792076	Washer, Flat		
40A 792128	Washer, Flat		
41 790047	Lever, Brake		


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

Parts must be ordered from Tecumseh Products Co.

SERVICE NOTES

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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

