

LT140

Owner's Manual



SAFETY RULES

Safe Operation Practices for Ride-On Mowers



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

I. GENERAL OPERATION

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

II. SLOPE OPERATION

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

DO:

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

DO NOT:

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

III. CHILDREN

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

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

IV. SERVICE

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



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



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

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

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

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

MODEL NUMBER	LT140
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 unit.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this owner's manual.

PRODUCT SPECIFICATIONS

HORSEPOWER:	14.0
GASOLINE CAPACITY AND TYPE:	2 GALLONS UNLEADED REGULAR
OIL TYPE (API-SG):	SAE 30 (above 32°F) SAE 5W-30 (below 32°F)
OIL CAPACITY:	W/ FILTER 3.5 W/O FILTER 3.0
SPARK PLUG: (GAP: .030")	CHAMPION RC12YC
VALVE CLEARANCE:	INTAKE: .005" - .007" EXHAUST: .009" - .011"
GROUND SPEED (MPH):	FORWARD: 1st 1.0 2nd 2.0 3rd 3.0 4th 4.0 5th 5.0 6th 5.8 REVERSE: 1.6
TIRE PRESSURE:	FRONT: 14 PSI REAR: 10 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.

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

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

TABLE OF CONTENTS

SAFETY RULES	2
PRODUCT SPECIFICATIONS	3
CUSTOMER RESPONSIBILITIES	3, 15-17
ASSEMBLY	6-9
OPERATION	10-13

MAINTENANCE SCHEDULE	14
SERVICE AND ADJUSTMENTS	19-23
STORAGE	24
TROUBLESHOOTING	25-26
REPAIR PARTS - TRACTOR	28-45
WARRANTY	57

INDEX

A

Adjustments:	
Brake	20
Carburetor	23
Mower	
Front-To-Back	19
Side-To-Side	19
Throttle Control Cable	22
Air Filter, Engine	16
Air Screen, Engine	17
Assembly	6-9

B

Battery:	
Charging	7
Cleaning	16
Installation	8
Levels	7, 16
Preparation	7
Starting with Weak Battery	21
Storage	24
Terminals	16

Belt:	
Motion Drive	
Removal/Replacement	20
Mower Belt(s)	
Removal/Replacement	20

Blade:	
Sharpening	15
Replacement	15
Brake Adjustment	20

C

Carburetor Adjustment	23
Controls, Tractor	10
Customer Responsibilities	3, 15-17
Engine:	
Air Filter	16
Air Screen	17
Cooling Fins	17
Engine Oil	12, 16
Fuel Filter	17
Spark Plug(s)	17
Tractor:	
Battery	16
Blade	15
Lubrication Chart	14
Maintenance Schedule	14
Tire Care	7, 15, 21
Transaxle	16
Cutting Height, Mower	11

E

Electrical:	
Interlocks and Relays	22
Schematic	27
Wiring Diagram	28
Engine:	
Air Filter	16
Air Screen	17
Cooling Fins	17
Oil Change	16
Oil Level	12
Oil Type	12, 16
Preparation	12
Starting	13
Storage	24

F

Filter:	
Air Filter	16
Fuel	17
Fuel:	
Type	12
Storage	24
Fuse	22

H

Hood Removal/Installation	22
---------------------------------	----

L

Leveling Mower Deck	19
Lubrication:	
Chart	14
Engine	16

M

Maintenance Schedule	14
Mower:	
Adjustment, Front-to-Back	19
Adjustment, Side-to-Side	19
Blade Replacement	15
Blade Sharpening	15
Cutting Height	11
Installation	18
Operation	12
Removal	18
Mowing Tips	13
Muffler	17
Spark Arrester	3, 38

O

Oil:	
Cold Weather Conditions	12, 16
Engine	16
Storage	24
Operation	10-13
Operating Mower	12
Options:	
Spark Arrester	3, 38

P

Parking Brake	10-11
Parts Bag	5
Parts, Replacement/Repair	28-45
Product Specifications	2

R

Repair Parts	28-45
--------------------	-------

S

Safety Rules	2
Seat	7
Service and Adjustments	18-23
Carburetor	23
Fuse	22
Hood Removal/Installation	22
Motion Drive Belt	
Removal/Replacement	20
Mower Belt(s)	
Removal/Replacement	20
Mower Adjustment	
Front-to-Back	19
Side-to-Side	19
Mower Removal/Installation	18
Tire Care	7, 15, 21
Slope Guide Sheet	46
Spark Plug(s)	17
Specifications	3
Starting the Engine	13
Steering Wheel	6, 21
Stopping the Tractor	11
Storage	24

T

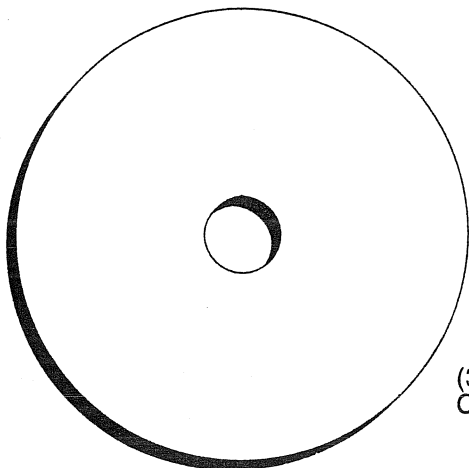
Throttle Control Cable Adjustment	22
Tires	7, 15, 21
Troubleshooting Chart	25-26
Transaxle	16

W

Warranty	47
Wiring Diagram	28
Wiring Schematic	27

CONTENTS OF HARDWARE PACK

Parts Bag contents shown full size



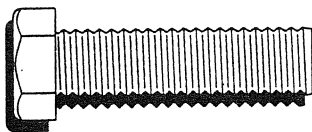
(1) Large Flat Washer



(1) Locknut
3/8-24



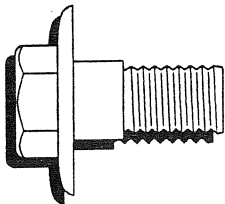
(3) Tinnerman
Clips



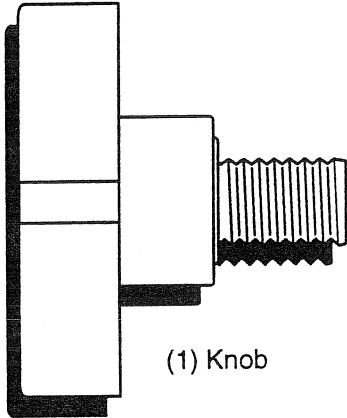
(1) Hex Bolt 5/16-18 x 1-1/4



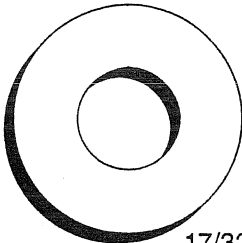
(1) Locknut 5/16-18



(1) Shoulder Bolt 5/16-18



(1) Knob

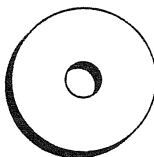
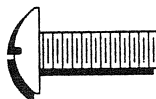


(1) Washer
17/32 x 1-3/16 x 12 Gauge

(2) Lock Washers
#10

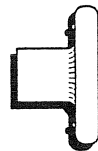


(2) Screws
#10 x 5/8



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

(2) Weld
Nuts #10



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



(2) Hex
Nuts
1/4-20

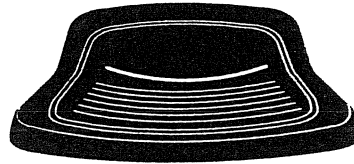


(2) Washers
9/32 x 5/8 x 16
Gauge



(2) Lock
Washers
1/4

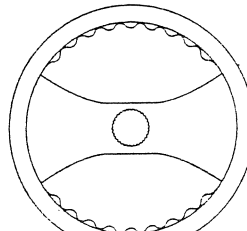
Parts packed separately in carton



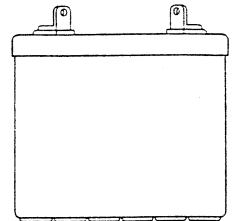
Seat



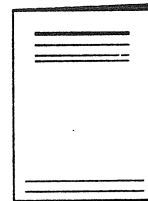
Mulcher
Plate



Steering
Wheel



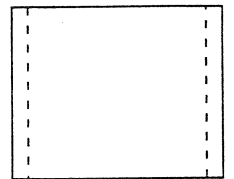
Battery



Owner's Manual



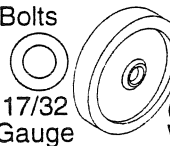
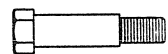
Steering
Sleeve



Parts Bag

Parts bag contents not shown full size

(2) Shoulder Bolts



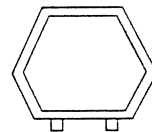
(2) Washers 3/8
x 7/8 x 14 Gauge

(2) Washers 17/32
x 15/16 x 12 Gauge

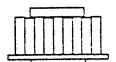


(2) Gauge
Wheels

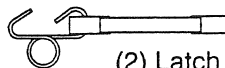
(2) Center-
lock Nuts



Steering
Wheel Insert



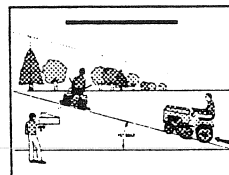
Steering Wheel
Adapter



(2) Latch
Hook
Assemblies



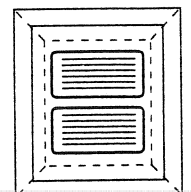
Steering
Extension
Shaft



15° Slope Sheet



(2) Keys



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.

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

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

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON

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

BEFORE ROLLING TRACTOR OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

PREASSEMBLE SLEEVE TO STEERING WHEEL (See Fig. 1 Inset)

- Install sleeve retainer clips, evenly spaced around steering wheel hub, with formed tabs toward the outside of hub.
- Press or lightly tap retainer clips fully onto steering wheel hub.
- Press steering sleeve fully onto steering wheel hub and clips.

ASSEMBLE ADJUSTABLE EXTENSION SHAFT

The steering wheel may be assembled in a high, medium, or low position. Position is determined by which of the three mounting holes is used in the extension shaft.

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

INSTALL STEERING WHEEL

- Position front wheels of the tractor so they are pointing straight forward.
- Slide steering wheel adapter onto steering shaft extension.
- Position steering wheel and sleeve assembly so cross bars are horizontal (left to right) and slide onto adapter.
- Assemble large flat washer and 3/8-24 locknut and tighten securely.
- Snap steering wheel insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

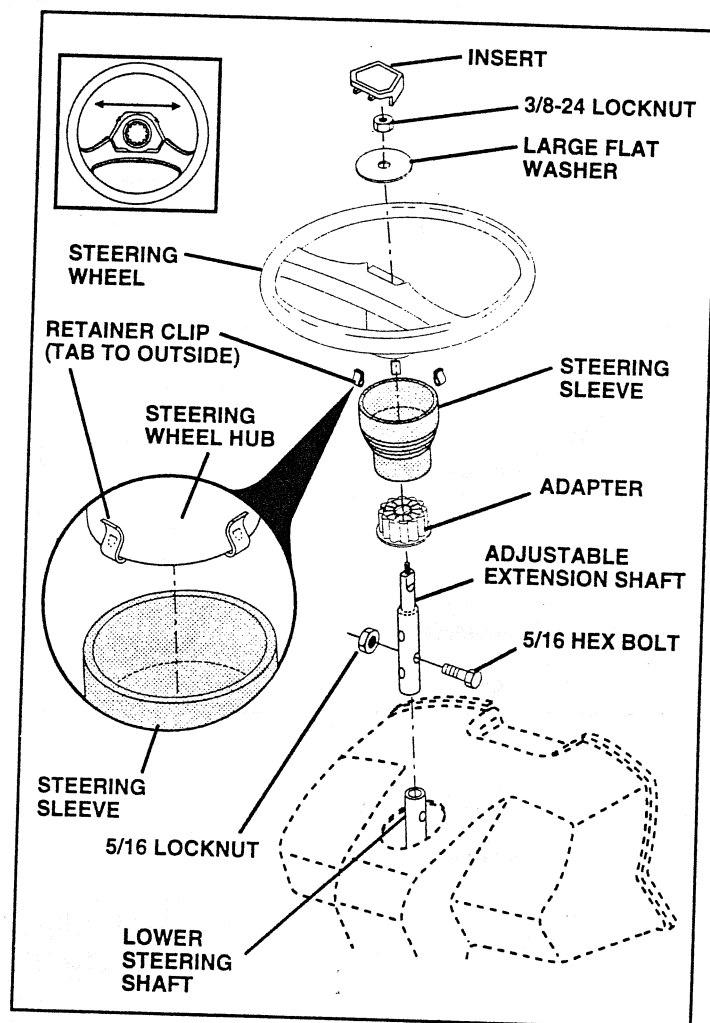


FIG. 1

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. 8)

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

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 battery cell acid level. 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 unit.

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 two gallons 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.

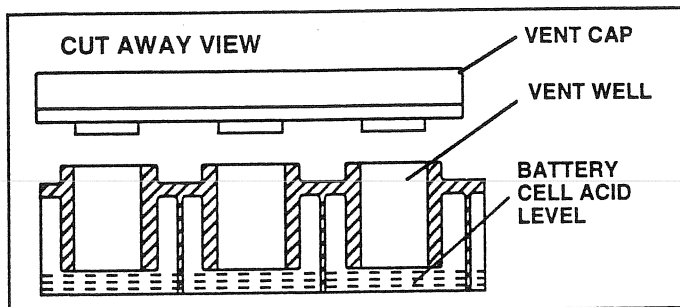


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment knob.

- Remove cardboard packing on seat pan.
- Place seat on seat 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.

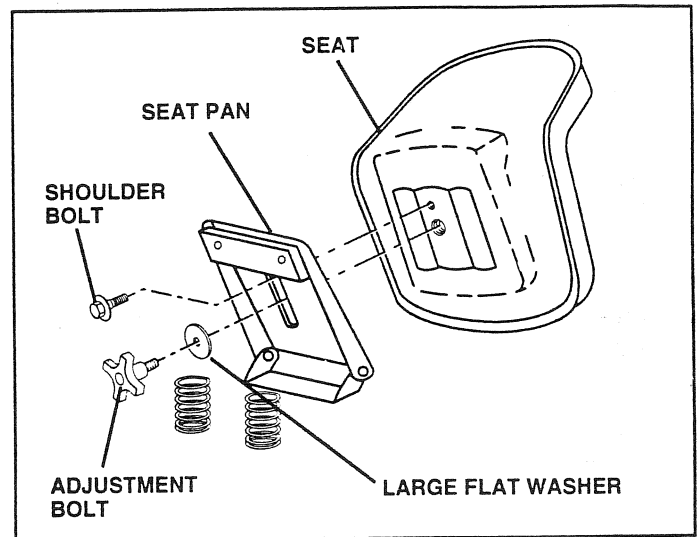


FIG. 3

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 and 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.
- Open battery box door.
- Be sure battery drain tube is attached to battery box.
- Lower battery into battery box with battery terminals toward front of tractor.
- First connect RED battery cable to positive (+) terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Close battery box door.

Open battery box door for:

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

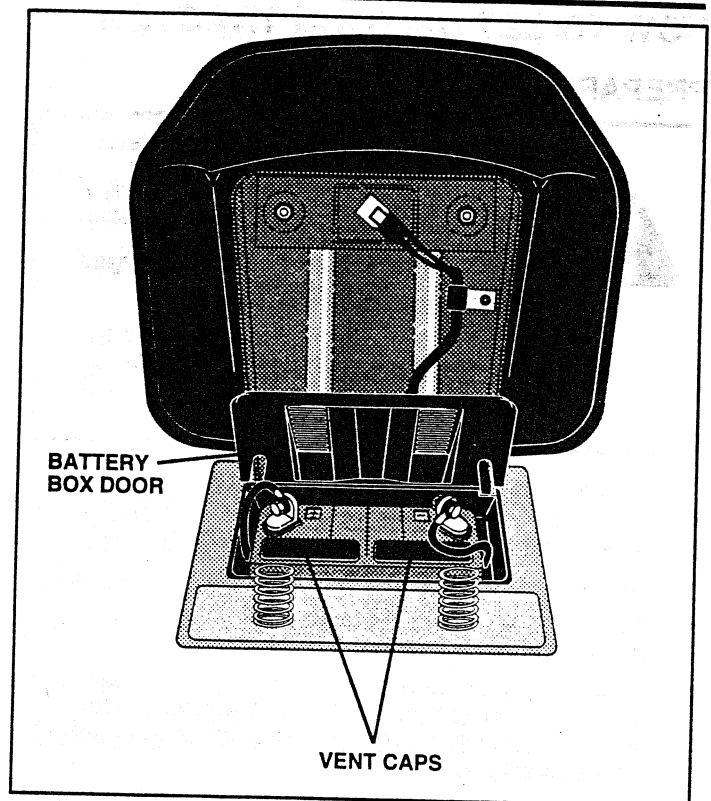


FIG. 5

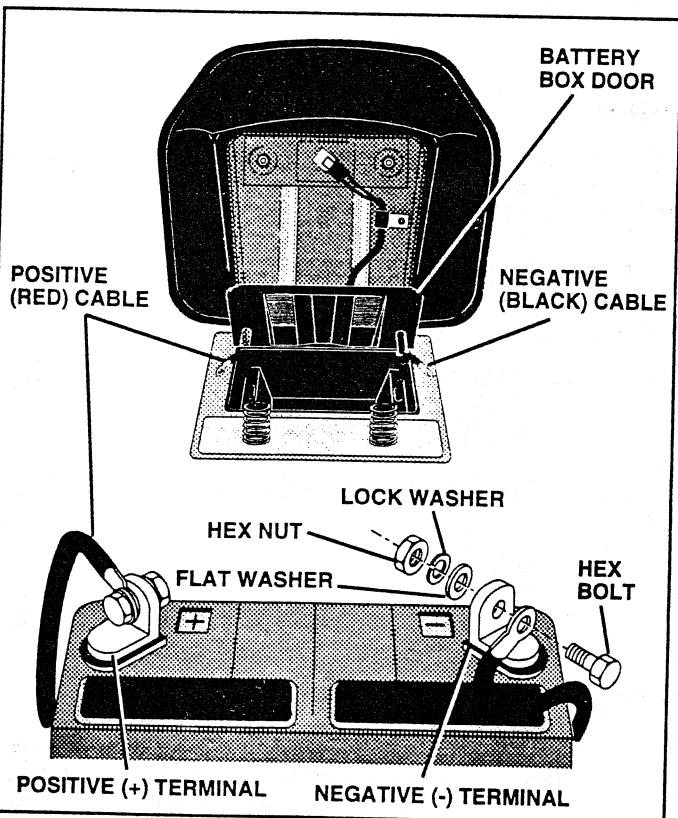


FIG. 4

ASSEMBLY

INSTALL MULCHER PLATE

(See Figs. 6 and 7)

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

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

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



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

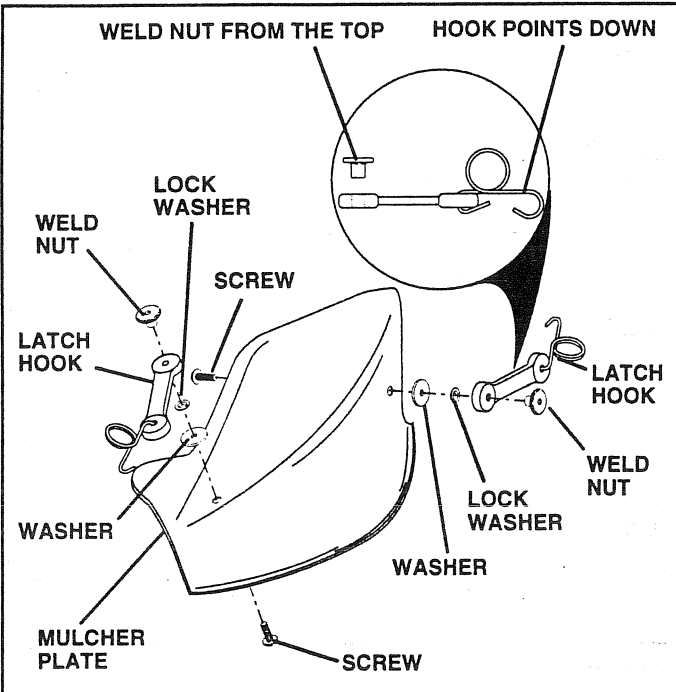


FIG. 6

TO CONVERT TO BAGGING OR DISCHARGING

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

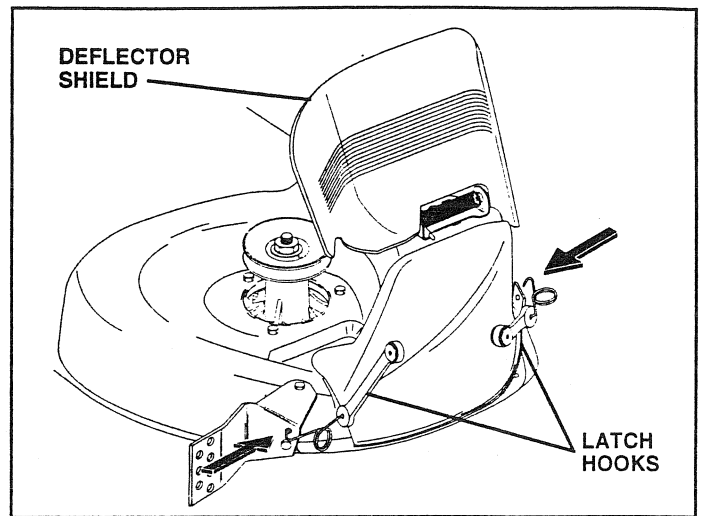


FIG. 7

✓ 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.

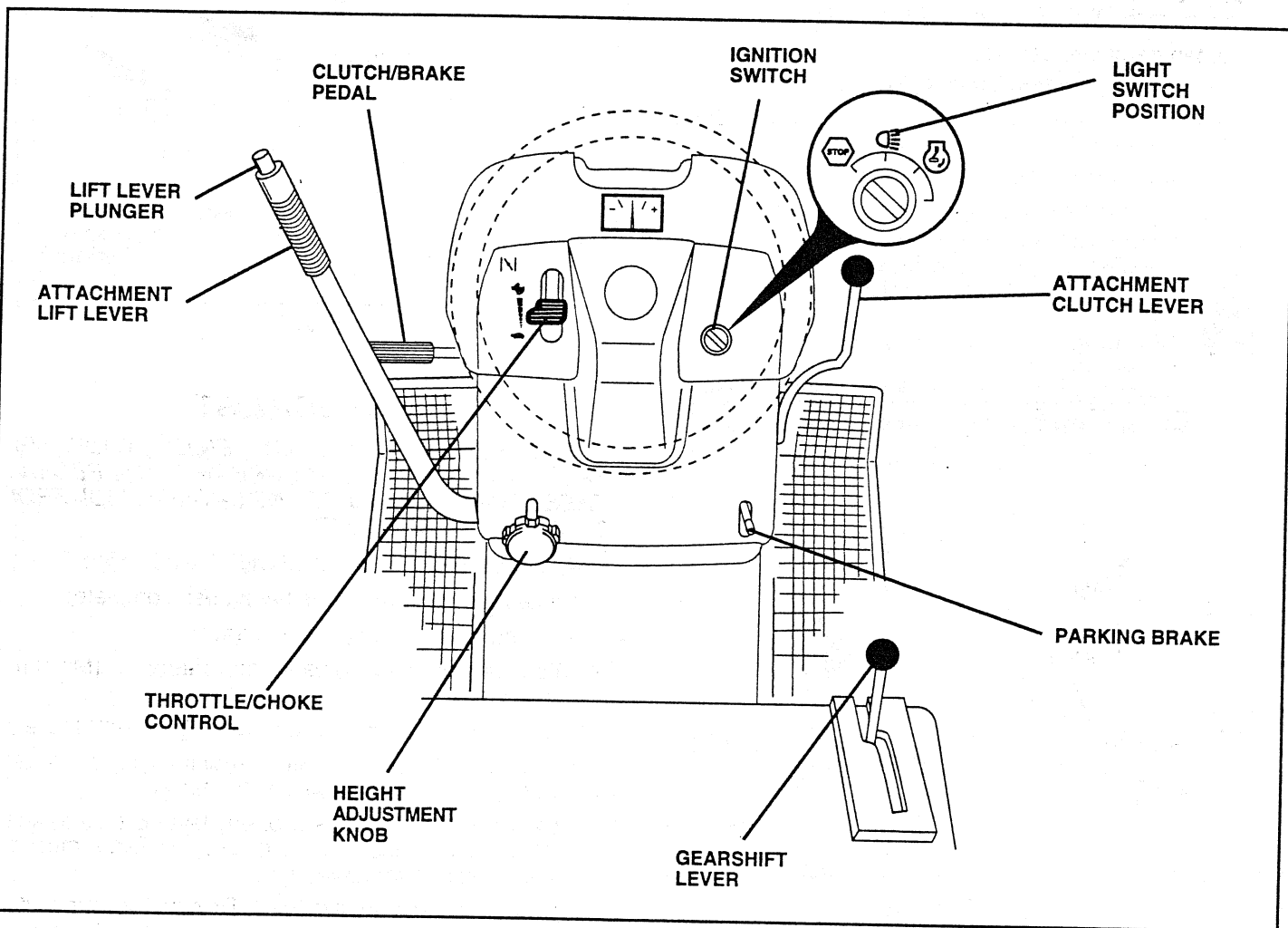


FIG. 8

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

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

LIGHT SWITCH POSITION: Turns the headlights on.

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

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

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

GEARSHIFT LEVER: Selects the speed and direction of tractor.

ATTACHMENT LIFT LEVER: Used to raise 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.

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

OPERATION



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

HOW TO USE YOUR TRACTOR

TO SET PARKING BRAKE (See Fig. 9)

- 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 vehicle secure.

STOPPING (See Fig. 9)

MOWER BLADES -

- Move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

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

ENGINE -

- Move throttle control to slow (🐢) position.

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

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

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



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

TO USE THROTTLE CONTROL (See Fig. 9)

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. 9)

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

- Start tractor with clutch/brake pedal depressed and gearshift lever in neutral (N) position.

- Move gearshift lever to desired position.
- Slowly release clutch/brake pedal to start movement.

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

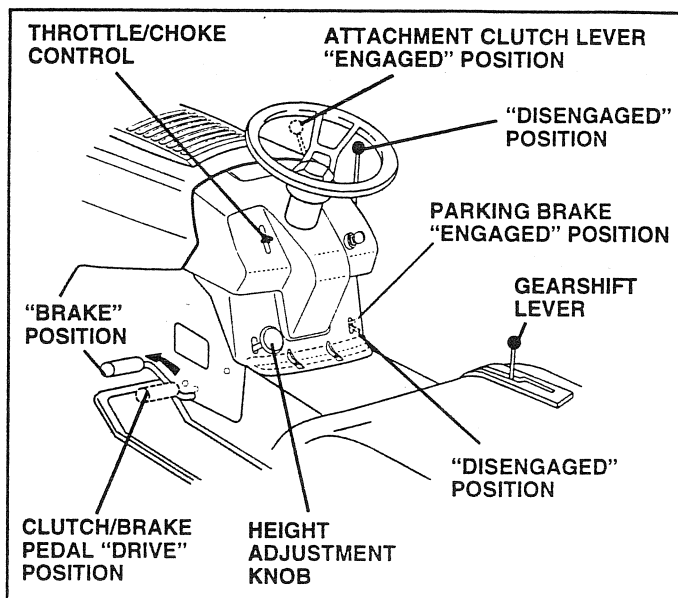


FIG. 9

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 9)

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. 10)

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

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



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

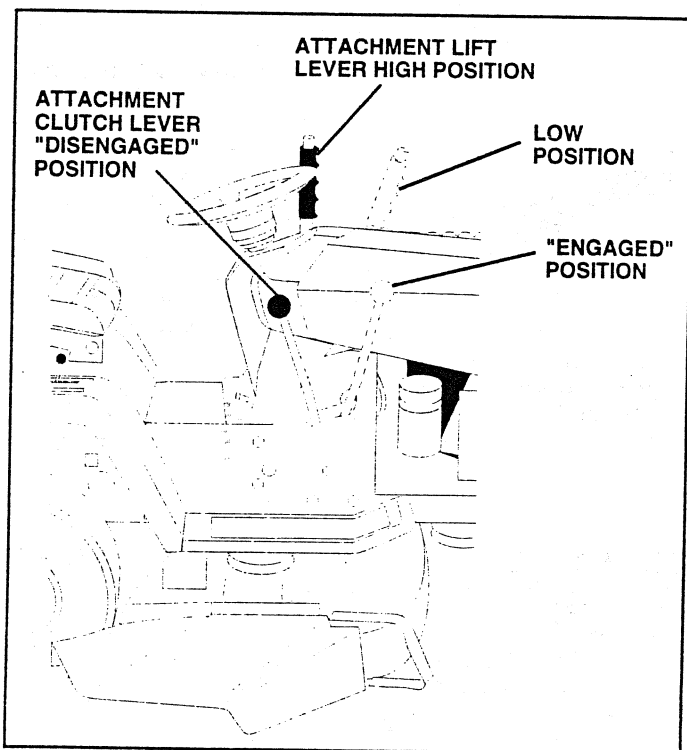


FIG. 10

TO OPERATE ON HILLS



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

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If slowing is necessary, move throttle control lever to slower position.
- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.

- Move gearshift lever to 1st gear. Be sure you have allowed room for tractor to roll slightly as you restart movement.
- To restart movement, slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

TO TRANSPORT

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

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

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 16)

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

ADD GASOLINE

- Fill fuel tank. Use fresh, clean, regular unleaded gasoline. (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. 9)

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 clutch/brake pedal and set parking brake.
- Place gearshift lever in neutral (N) 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.
- Insert key into ignition and turn key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If 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 attachments.

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 unit.
- 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. 11).
- 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.

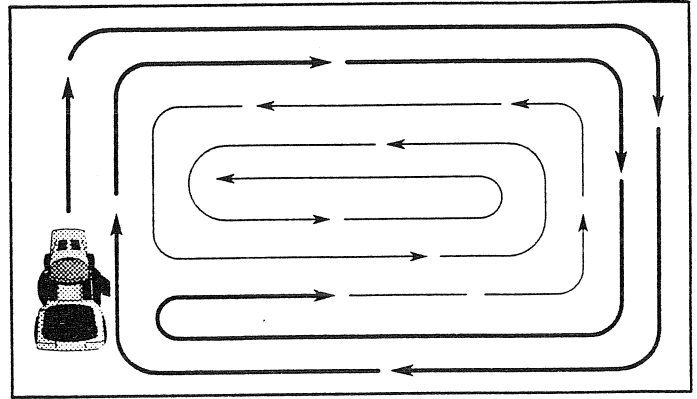


FIG. 11

MULCHING MOWING TIPS

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

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.
- Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action. The best time to mow your lawn is the early afternoon. At this time the grass has dried and the newly cut area will not be exposed to the direct sun.
- For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades (See Fig. 12). For extremely heavy mulching, reduce your width of cut and mow slowly.
- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

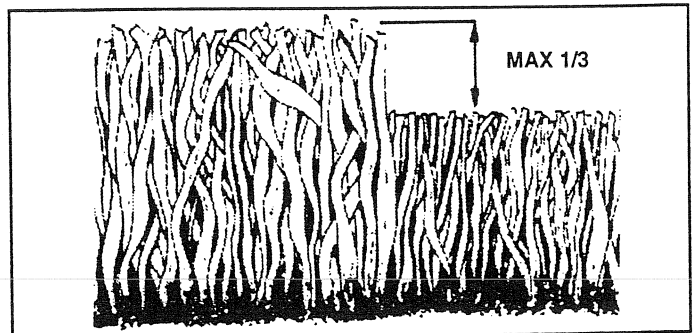


FIG. 12

CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE		BEFORE EACH USE					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	EVERY SEASON	BEFORE STORAGE				
TRACTOR	Check Brake Operation	✓		✓									
	Check Tire Pressure	✓		✓									
	Check for Loose Fasteners	✓											
	Sharpen/Replace Mower Blades							✓					
	Lubrication Chart				✓ ₄								
	Check Battery Level/Recharge				✓			✓					
	Clean Battery and Terminals				✓								
	Check Transaxle Cooling				✓			✓					
	Adjust Blade Belt(s) Tension						✓ ₅						
	Adjust Motion Drive Belt(s) Tension						✓ ₅						
ENGINE	Check Engine Oil Level	✓		✓									
	Change Engine Oil		✓		✓ _{1,2,3}			✓					
	Clean Air Filter				✓ ₂								
	Clean Air Screen				✓ ₂								
	Inspect Muffler/Spark Arrester					✓							
	Replace Oil Filter (If equipped)						✓ _{1,2}						
	Clean Engine Cooling Fins						✓ ₂						
	Replace Spark Plug						✓	✓					
	Replace Air Filter Paper Cartridge						✓ ₂						
	Replace Fuel Filter								✓				

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

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

GENERAL RECOMMENDATIONS

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

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

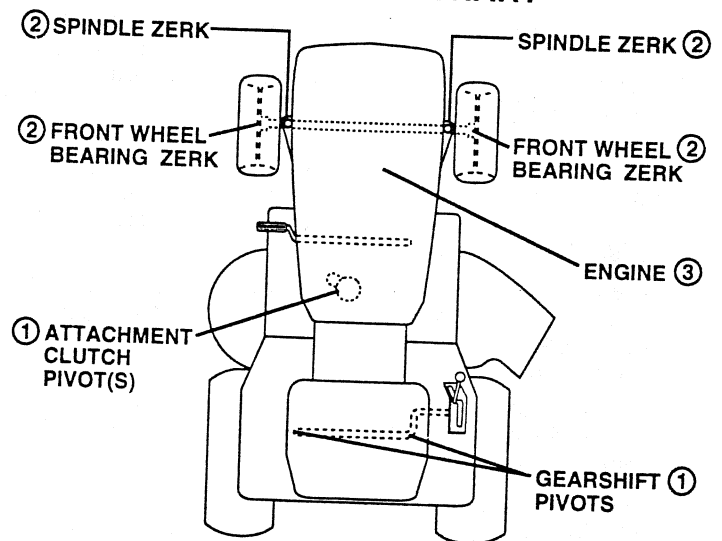
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

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

BEFORE EACH USE

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

LUBRICATION CHART



① SAE 30 OR 10W30 MOTOR OIL 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.

CUSTOMER RESPONSIBILITIES

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

TIRES

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

BLADE CARE

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

BLADE REMOVAL (See Fig. 13)

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

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

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

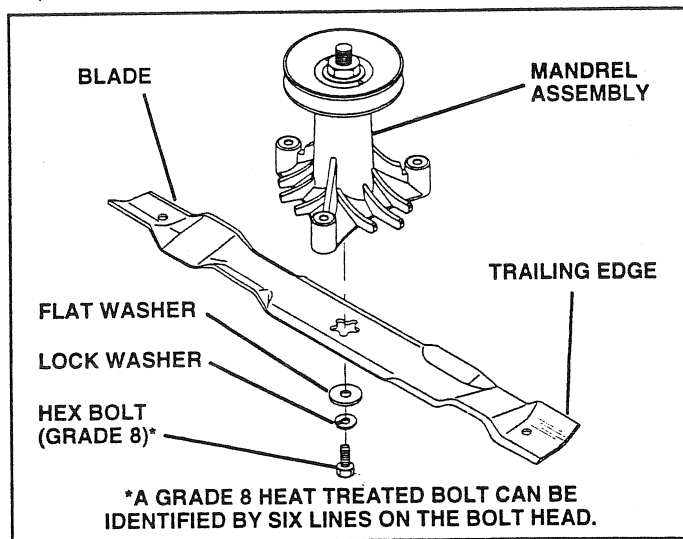


FIG. 13

TO SHARPEN BLADE (See Fig. 14)

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.

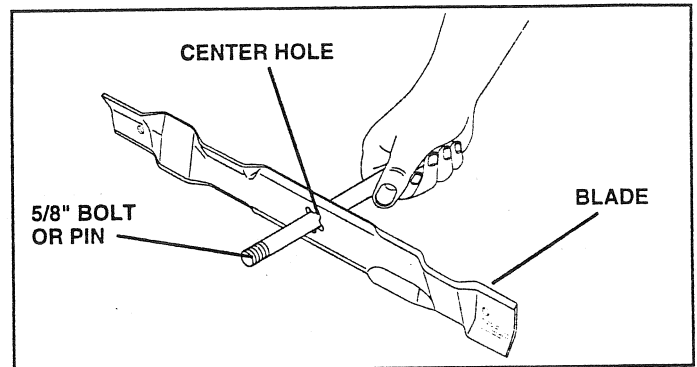


FIG. 14

BATTERY (See Fig. 15)

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.

CUSTOMER RESPONSIBILITIES

TO CLEAN BATTERY AND TERMINALS

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

- Open battery box door.
- Disconnect **BLACK** battery cable first then **RED** battery cable and remove battery from tractor.
- 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).

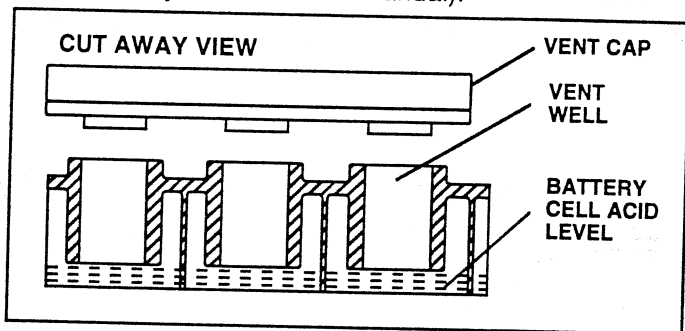


FIG. 15

V-BELTS

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

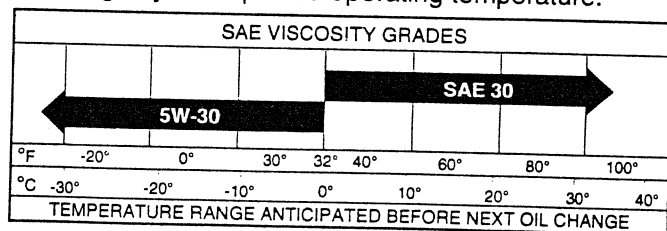
TRANSAXLE COOLING

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

ENGINE

LUBRICATION

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



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

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

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

TO CHANGE ENGINE OIL (See Fig. 16)

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

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

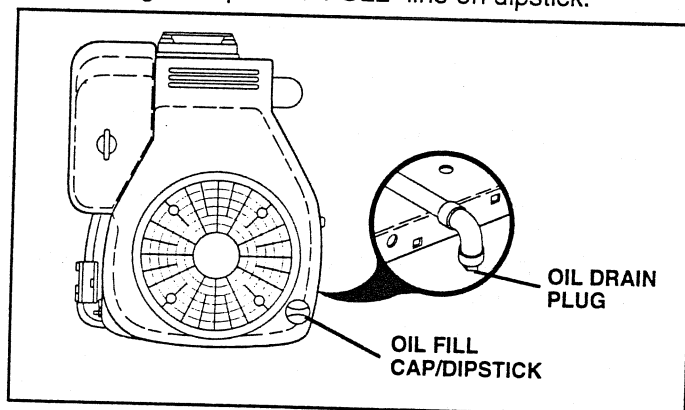


FIG. 16

AIR FILTER (See Fig. 17)

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

Service air cleaner more often under dusty conditions.

- Remove knob(s) and cover.

TO SERVICE PRE-CLEANER

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

CUSTOMER RESPONSIBILITIES

TO SERVICE CARTRIDGE

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

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

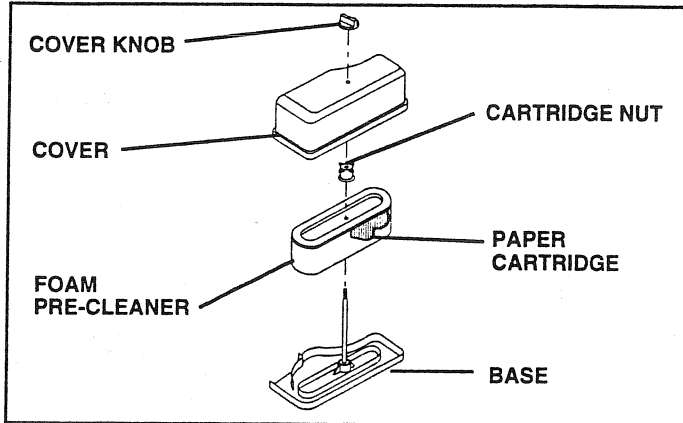


FIG. 17

CLEAN AIR SCREEN (See Fig. 18)

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. 18)

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

- Remove oil fill cap/dipstick.
- Remove bolts from blower housing and lift housing off engine.
- Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins.
- To reassemble, reverse above procedure.

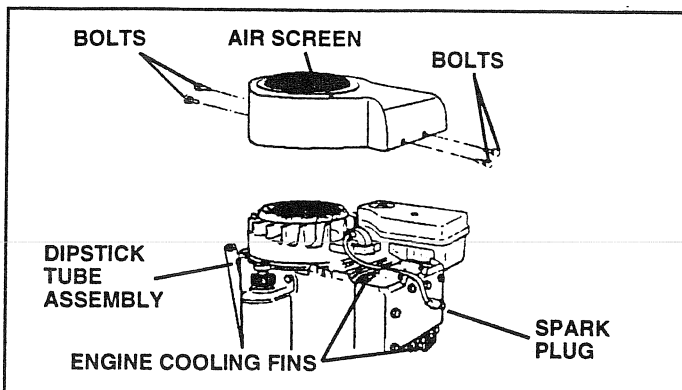


FIG. 18

MUFFLER

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

SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" on page 2 of this manual.

ENGINE OIL FILTER

Replace the engine oil filter every season or every other oil change if the tractor is used more than 100 hours in one year.

- Unscrew old filter by turning counterclockwise. Use a suitable container to catch oil.
- Apply a thin coating of new engine oil to rubber gasket on replacement oil filter.
- Install replacement oil filter by turning clockwise until rubber gasket contacts mounting surface, then tighten filter an additional 1/2 to 3/4 turn.
- Fill crankcase with new oil (See "TO CHANGE ENGINE OIL" in this section of this manual). For approximate capacity see "PRODUCT SPECIFICATIONS" on page 3 of this manual.
- Start engine and check for oil leaks. Correct any leaks before placing engine into full operation.

IN-LINE FUEL FILTER (See Fig. 19)

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

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

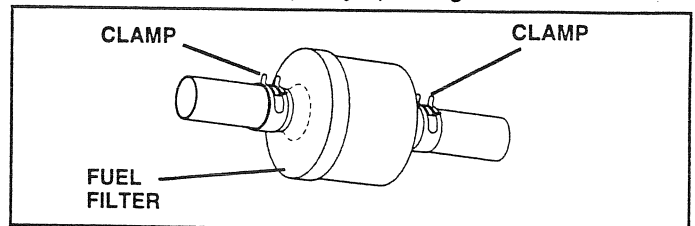


FIG. 19

CLEANING

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

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

SERVICE AND ADJUSTMENTS



CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

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

TRACTOR

TO REMOVE MOWER (See Fig. 20)

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. 20)

- 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.

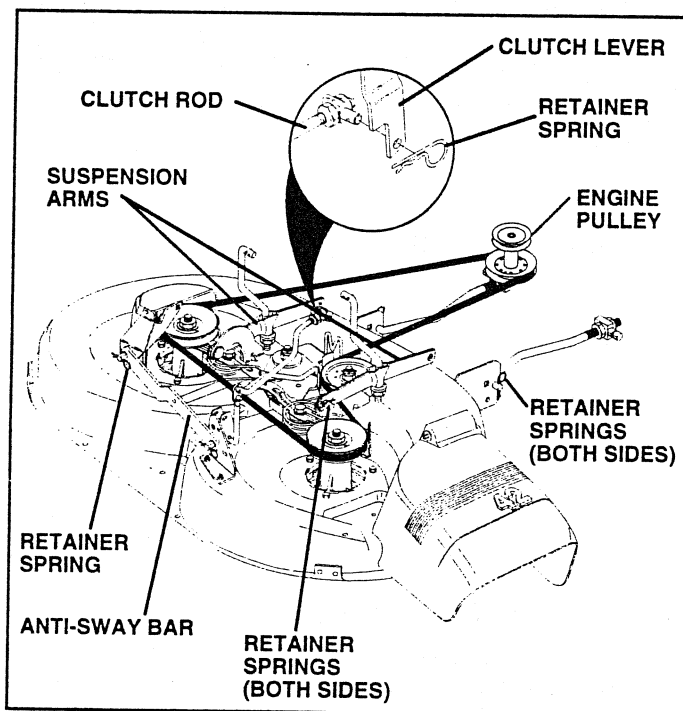


FIG. 20

SERVICE AND ADJUSTMENTS

TO LEVEL MOWER HOUSING

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

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

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

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

- Recheck measurements after adjusting.

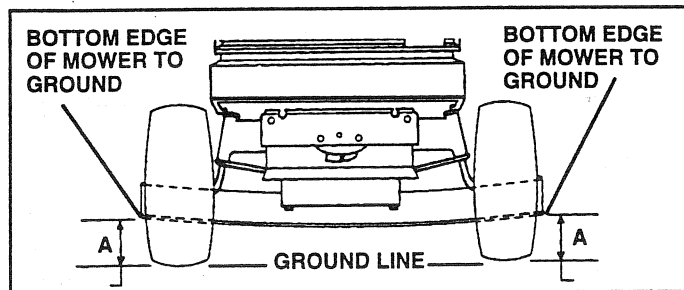


FIG. 21

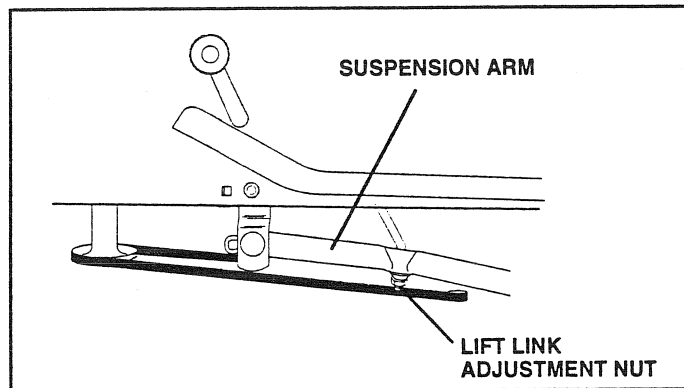


FIG. 22

FRONT-TO-BACK ADJUSTMENT (See Figs. 23 and 24)

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.

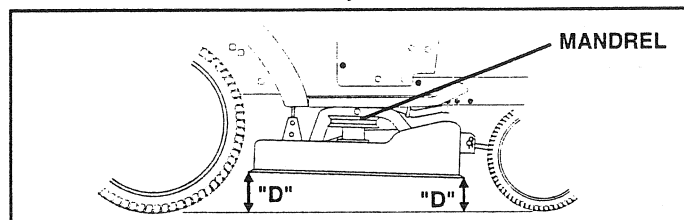


FIG. 23

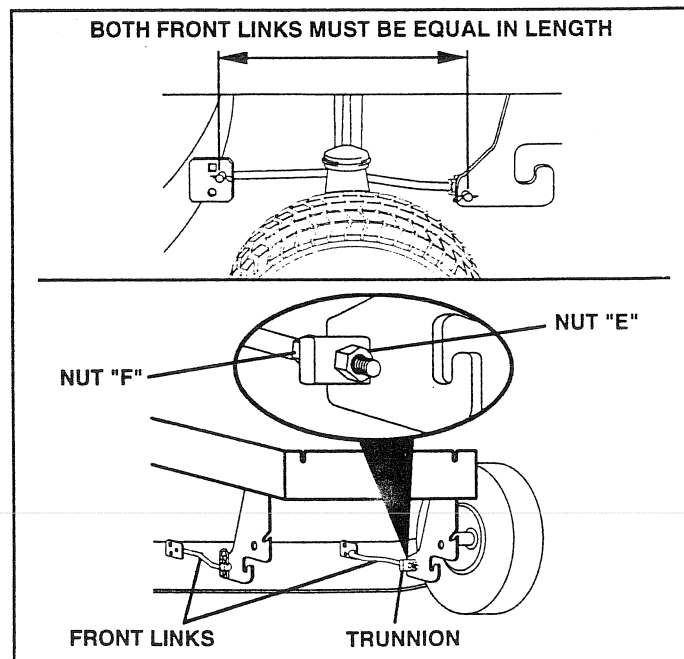


FIG. 24

SERVICE AND ADJUSTMENTS

TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 25)

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

BELT REMOVAL -

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

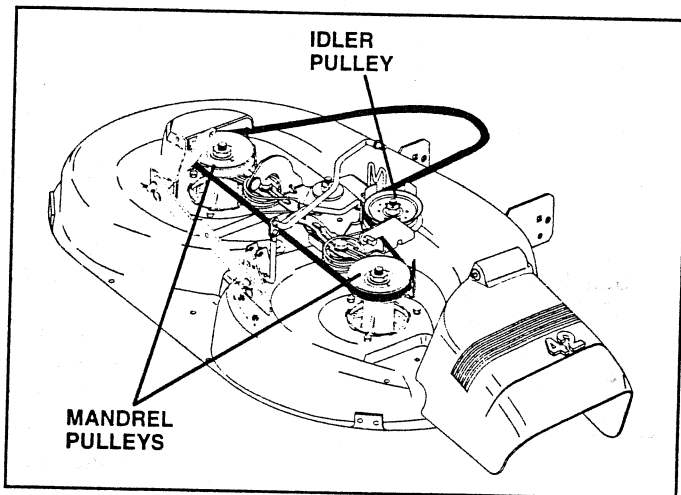


FIG. 25

TO ADJUST BRAKE (See Fig. 26)

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

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

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

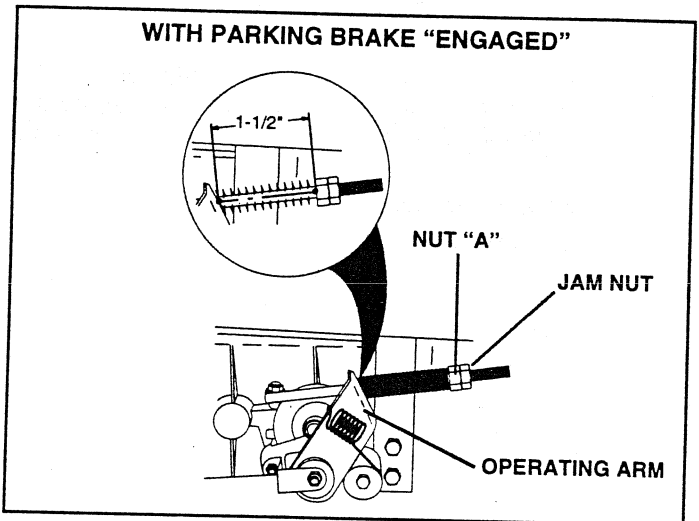


FIG. 26

TO REPLACE MOTION DRIVE BELT (See Fig. 27)

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.

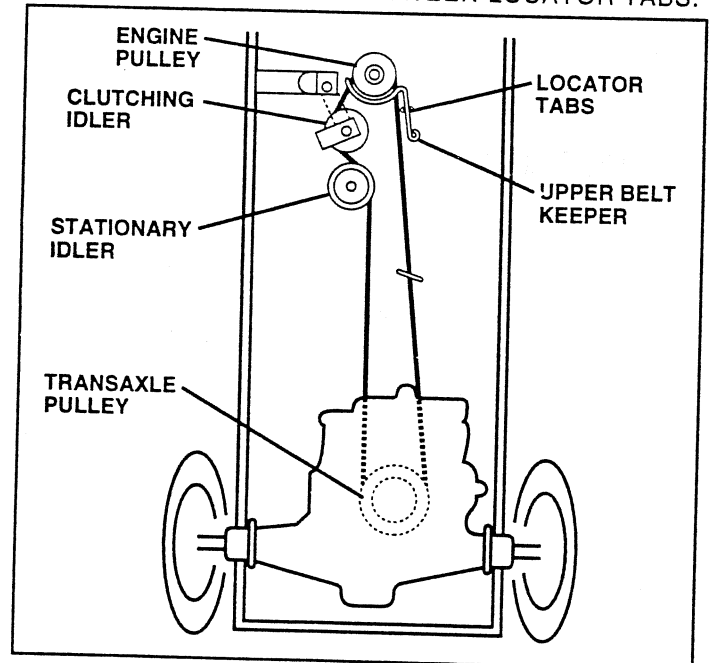


FIG. 27

SERVICE AND ADJUSTMENTS

TRANSAXLE SHIFTER LINKAGE AND ADJUSTMENT (See Figs. 28 and 29)

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

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

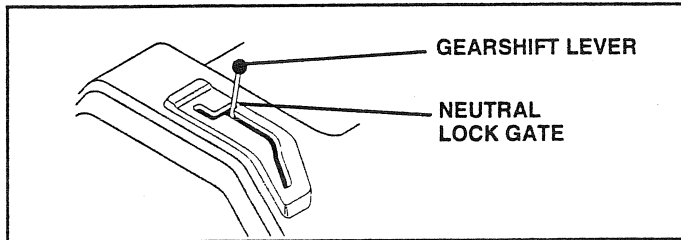


FIG. 28

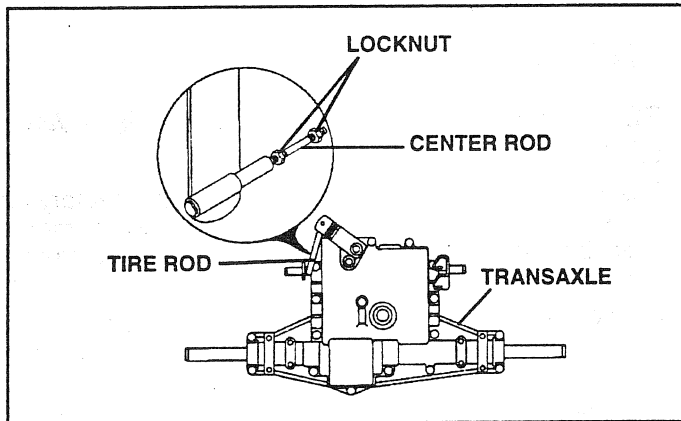


FIG. 29

TO ADJUST STEERING WHEEL ALIGNMENT

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

FRONT WHEEL TOE-IN/CAMBER

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

TO REMOVE WHEEL FOR REPAIRS (See Fig. 30)

- 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.

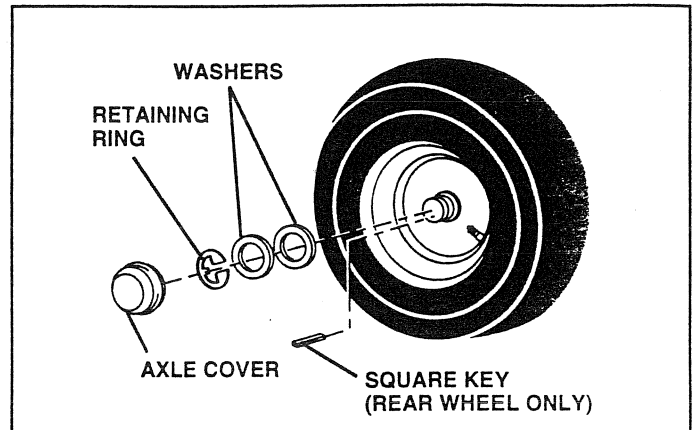


FIG. 30

TO START ENGINE WITH A WEAK BATTERY (See Fig. 31)



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 good CHASSIS GROUND, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

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

SERVICE AND ADJUSTMENTS

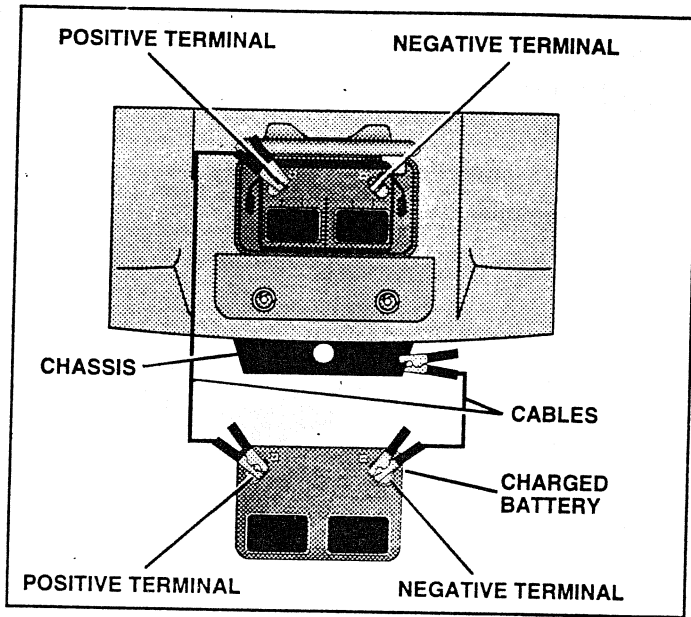


FIG. 31

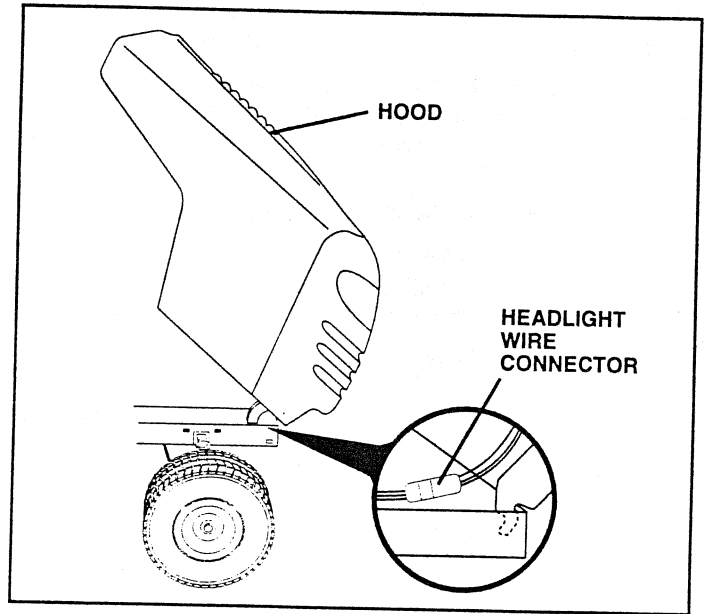


FIG. 32

TO REPLACE HEADLIGHT BULB

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

INTERLOCKS AND RELAYS

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

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

TO REPLACE FUSE

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

TO REMOVE HOOD AND GRILL ASSEMBLY (See Fig. 32)

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

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 33)

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.

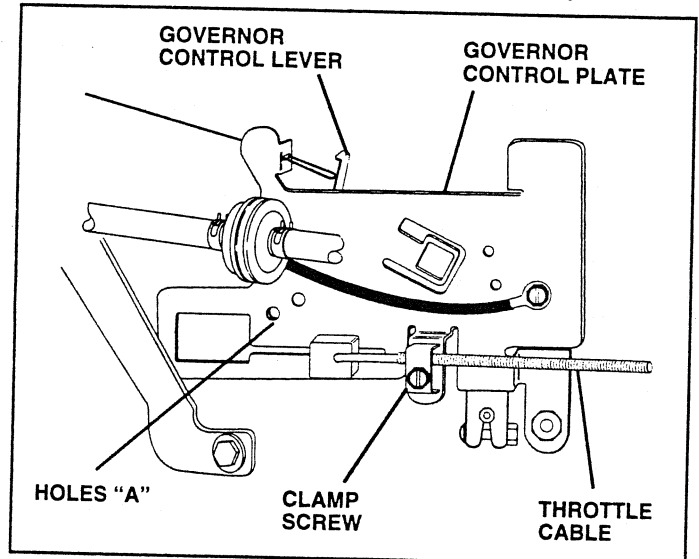


FIG. 33

SERVICE AND ADJUSTMENTS

TO ADJUST CARBURETOR (See Fig. 34)

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

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

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

PRELIMINARY SETTING -

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

FINAL SETTING -

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

ACCELERATION TEST -

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

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

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

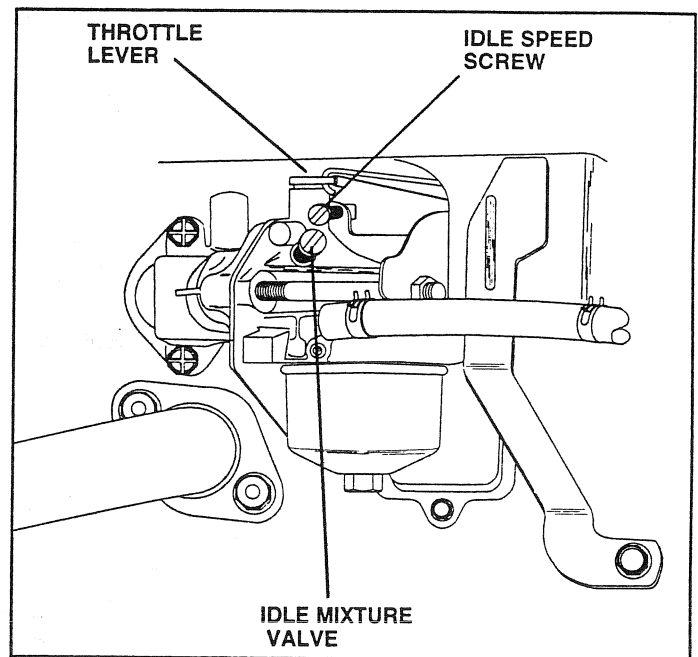


FIG. 34

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 AREAS ARE STILL WARM.

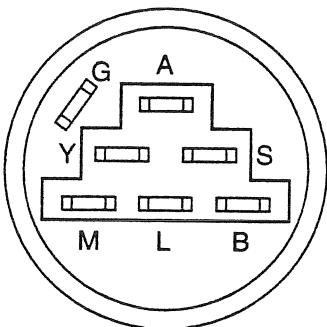
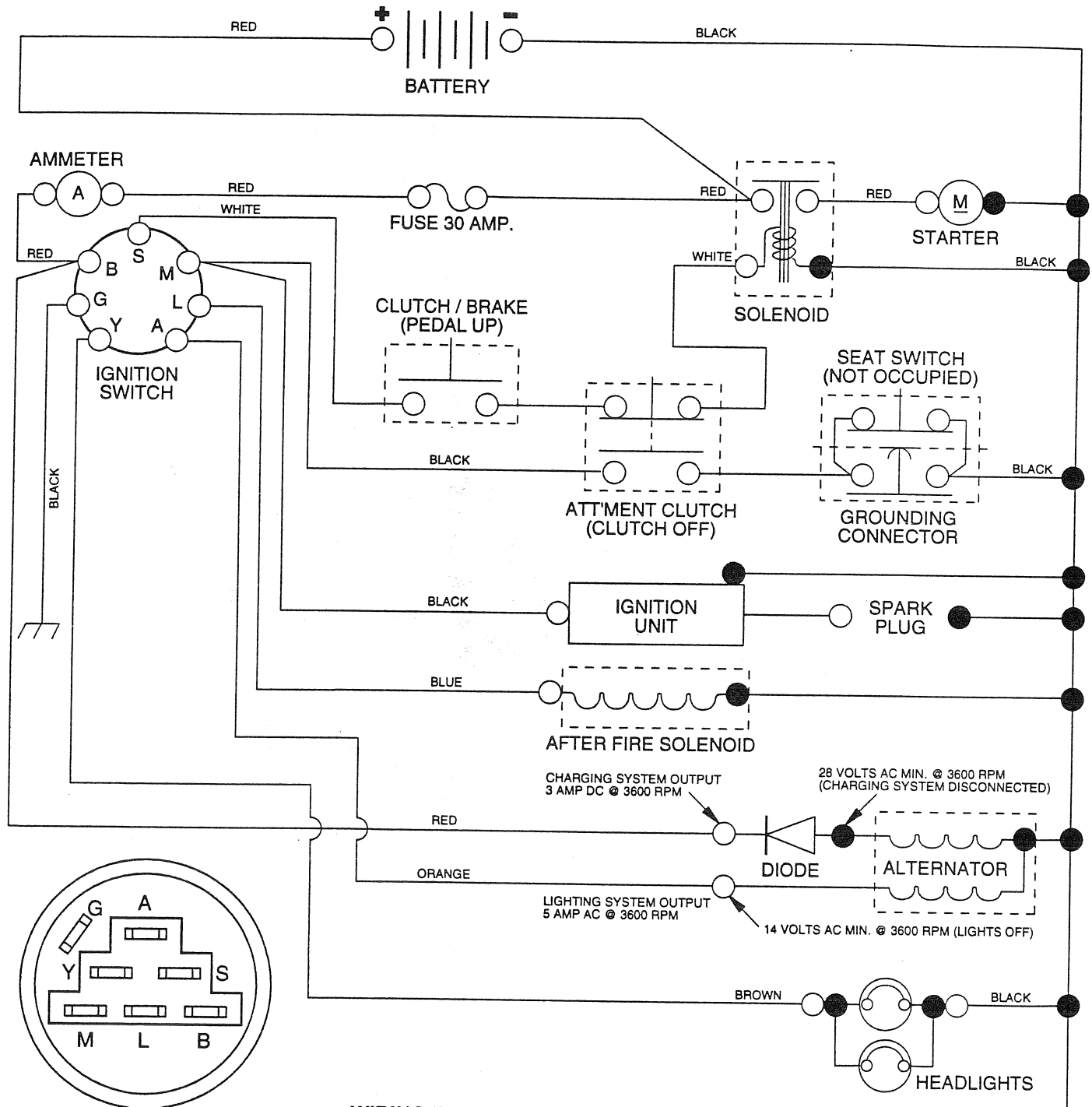
TROUBLESHOOTING POINTS

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

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92 SCHEMATIC



IGNITION SWITCH

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

WIRING INSULATED CLIPS

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

NOTE

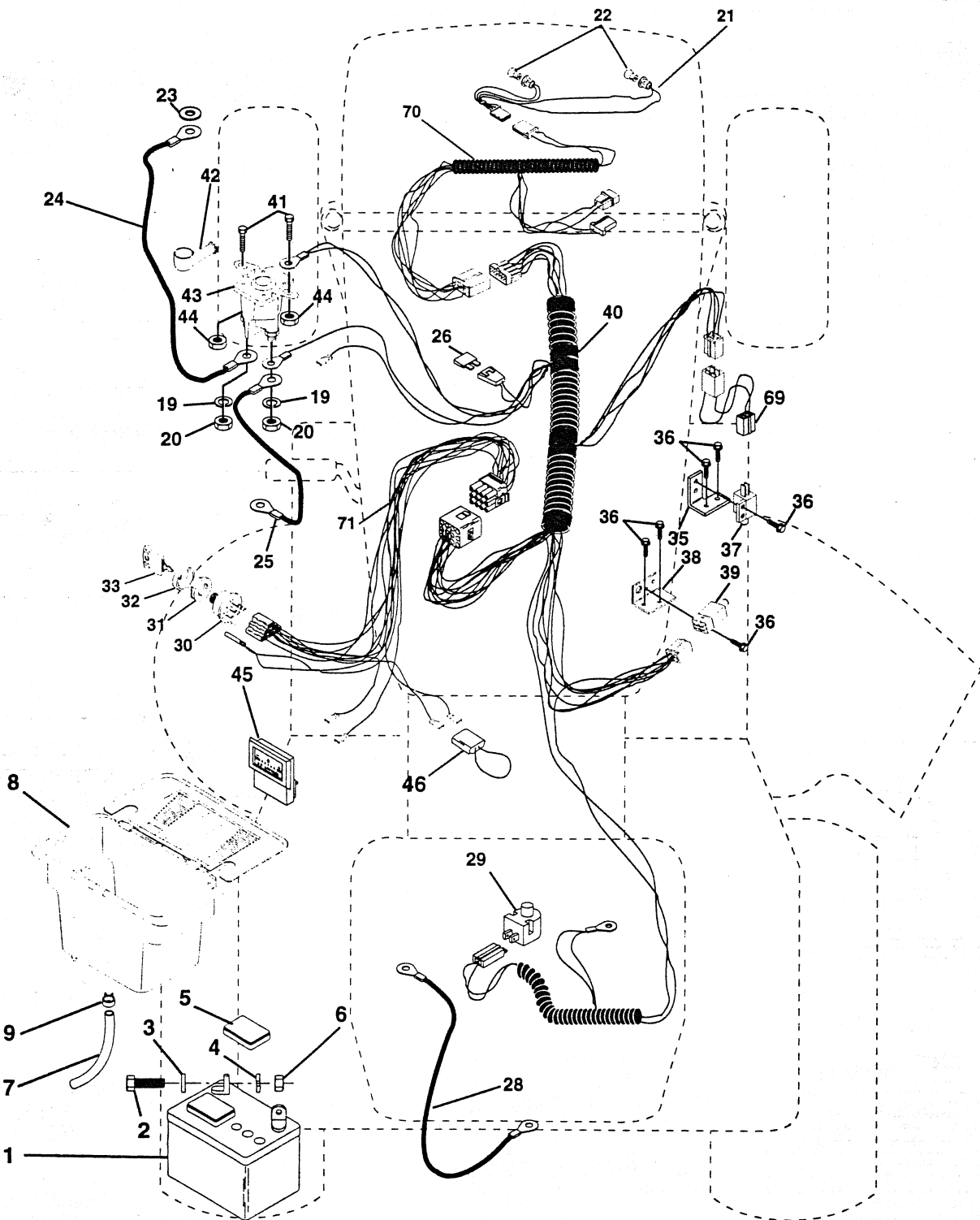
YOUR TRACTOR IS EQUIPPED WITH A SPECIAL ALTERNATOR SYSTEM. THE LIGHTS ARE NOT CONNECTED TO THE BATTERY, BUT HAVE THEIR OWN ELECTRICAL SOURCE. BECAUSE OF THIS, THE BRIGHTNESS OF THE LIGHTS WILL CHANGE WITH ENGINE SPEED. AT IDLE THE LIGHTS WILL DIM. AS THE ENGINE IS SPEEDED UP, THE LIGHTS WILL BECOME THEIR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

● NON-REMOVABLE CONNECTIONS ○ REMOVABLE CONNECTIONS

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92

ELECTRICAL



REPAIR PARTS

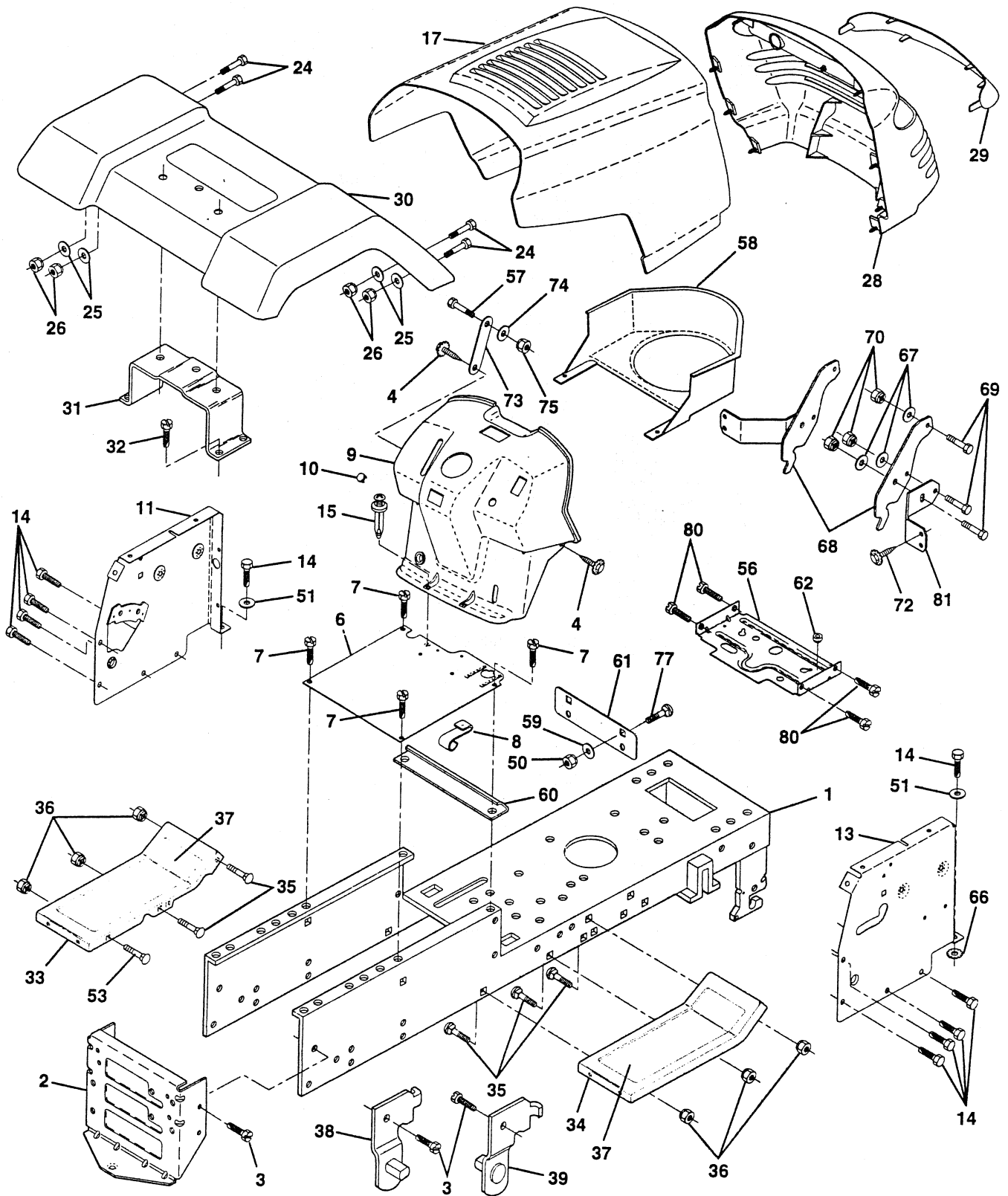
14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION
1	532121537	Battery 12 Volt 30 AMP
2	874760412	Bolt Hex Hd 1/4-20unc X 3/4
3	819091016	Washer 9/32 X 5/8 X 16 Ga.
4	810040400	Washer Lock Hvy Helical 1/4
5	532121264	Caps Battery 20/25/30 AMP
6	873220400	Nut Fin Hex 1/4-20 Unc
7	532109238	Tube Plastic 12"
8	532129965	Case Battery Hng Mech W/lid
9	532109596	Clamp Hose Olive
19	810090400	Washer Lock 1/4
20	873350400	Nut Jam Hex 1/4-20 Unc
21	532136850	Harness Asm Light W/4152j
22	532004152	Bulb Light #1156
23	811150400	Washer Lock Internal Tooth 1/4
24	532124780	Cable Battery 6 Ga 11" red
25	532132202	Cable Battery 6 Ga 43" red
26	532108824	Fuse 30 AMP Auto Green
28	532124773	Cable Ground 6 Ga 12" black
29	532121305	Switch Plunger Nc Gray
30	532140301	Switch Ign 4 pos w/lights
31	532124211	Nut Ignition
32	532141226	Cover Sw Ignition
33	532122147	Key Ign Modleled Generic
35	532108236	Bracket Switch Clutch
36	817021008	Screw Tap Hex #10-24unc X 1/2
37	532104445	Switch Intlk Clutch Red 2 Term
38	532140336	Bracket, Switch, Interlock
39	532109553	Switch Intlk Clutch Red 4 Term
40	532140707	Harness Chassis LT PL Mech
41	871110408	Bolt Blk Fin Hex 1/4 - 20 x 1/2
42	532131563	Cover Terminal Red
43	532138406	Solenoid
44	873640400	Nut Keps Hex 1/4-20 Unc
45	532121433	Ammeter Rectangular
46	532141940	Protection Wire Loop
69	532140660	Harness Adapter Serv Geardrive
70	532141164	Harness, Eng.
71	532140710	Harness Dash Lt Private Lbl

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
CHASSIS AND ENCLOSURES



REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92

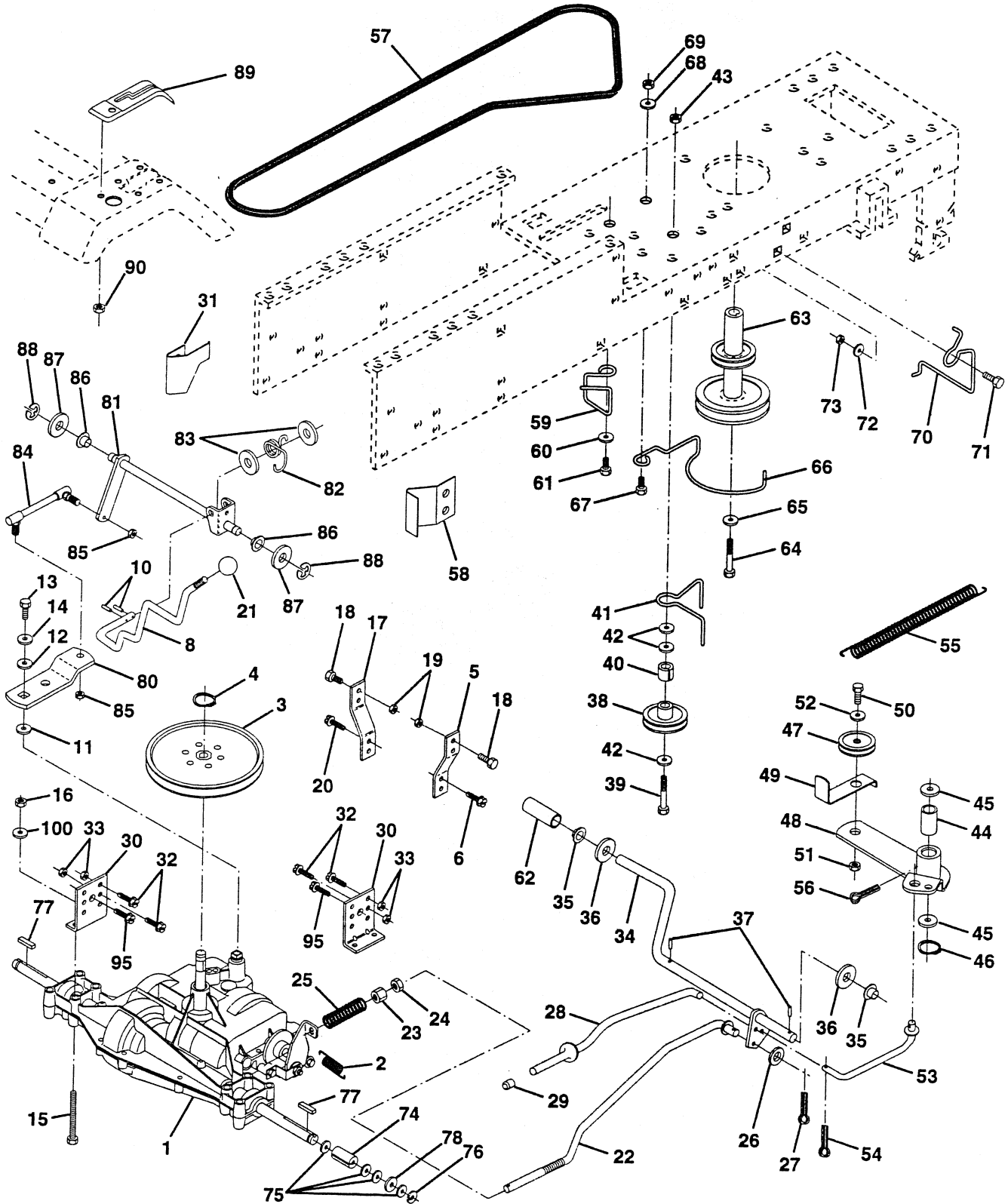
CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION
1	532140341	Chassis Weldment 11ga
2	532140356	Drawbar, Stretch
3	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
4	817490412	Screw Hexwsh. Thdrol 1/4-20 x 3/4
6	532140169	Saddle LT Fender Shift
7	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
8	532124996	Clip Line Fuel 13/32 Mtg Hole
9	532140622	Dash Private Label
10	532005479	Plug Button
11	532140311	Panel Pnt Dash Lh
13	532140178	Panel Dash Rh Weldment
14	817490608	Screw Thdrol 3/8-16x1/2 Ty-tt
15	532138096	Rivet Push Plate D Plastic Blk
17	532144320	Hood Paint Steel Private Label
24	874780616	Bolt Fin Hex 3/8-16unc X 1 Gr. 5
25	819131312	Washer 13/32 X 13/16 X 12 Ga
26	873800600	Nut Lock Hex W/Ins 3/8-16 Unc
28	532140141	Grille Private Label
29	532140273	Lens Grille Private Label
30	532143050	Fender Pnt
31	532139976	Bracket Pnt Support Fender
32	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
33	532124899	Footrest Pnt Lh
34	532124914	Footrest Pnt Rh
35	872110606	Bolt Rdhd Sht Sqnk 3/8-16 X3/4
36	873800600	Nut Hex Lock W/Insert 3/8-16 Unc
37	532133671	Pad Footrest
38	532139886	Bracket, Asm. Pivot, L.H., Mower Rear
39	532139887	Bracket, Asm. Pivot, R.H., Mower Rear
50	873800600	Nut Lock Hex W/Ins 3/8-16 UNC
51	819131216	Washer 13/32 x 3/4 x 16 Ga.
53	872140608	Bolt Carriage 3/8-16 x 1
56	532140281	Support Battery
57	874780412	Screw Hex 1/4-20 x 3/4
58	532140806	Air Duct P/L
59	819171416	Washer 17/32 x 7/8 x 16 Ga.
60	532139977	Spacer Fender Lt
61	532139978	Plate Extension Fender Lt
62	532124028	Bushing
66	811050600	Washer Lock Ext. Tooth 3/8
67	819091416	Washer 9/32 x 7/8 x 16 Ga.
68	532140219	Hinge Pickoff Hood
69	874760412	Bolt Hex Hd 1/4-20
70	873680400	Nut, Crownlock 1/4-20
72	817030814	Screw Lock Spider #8 x 7/8
73	532142779	Brace
74	819091416	Washer 9/32 x 7/8 x 16 Ga.
75	873800400	Nut Lock Hex W/Ins 1/4-20
77	872140608	Bolt Carriage 3/8-16 x 1
80	817490512	Screw Thdrol 5/16-18 X3/4
81	532143007	Bracket, Grill

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
DRIVE



REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92

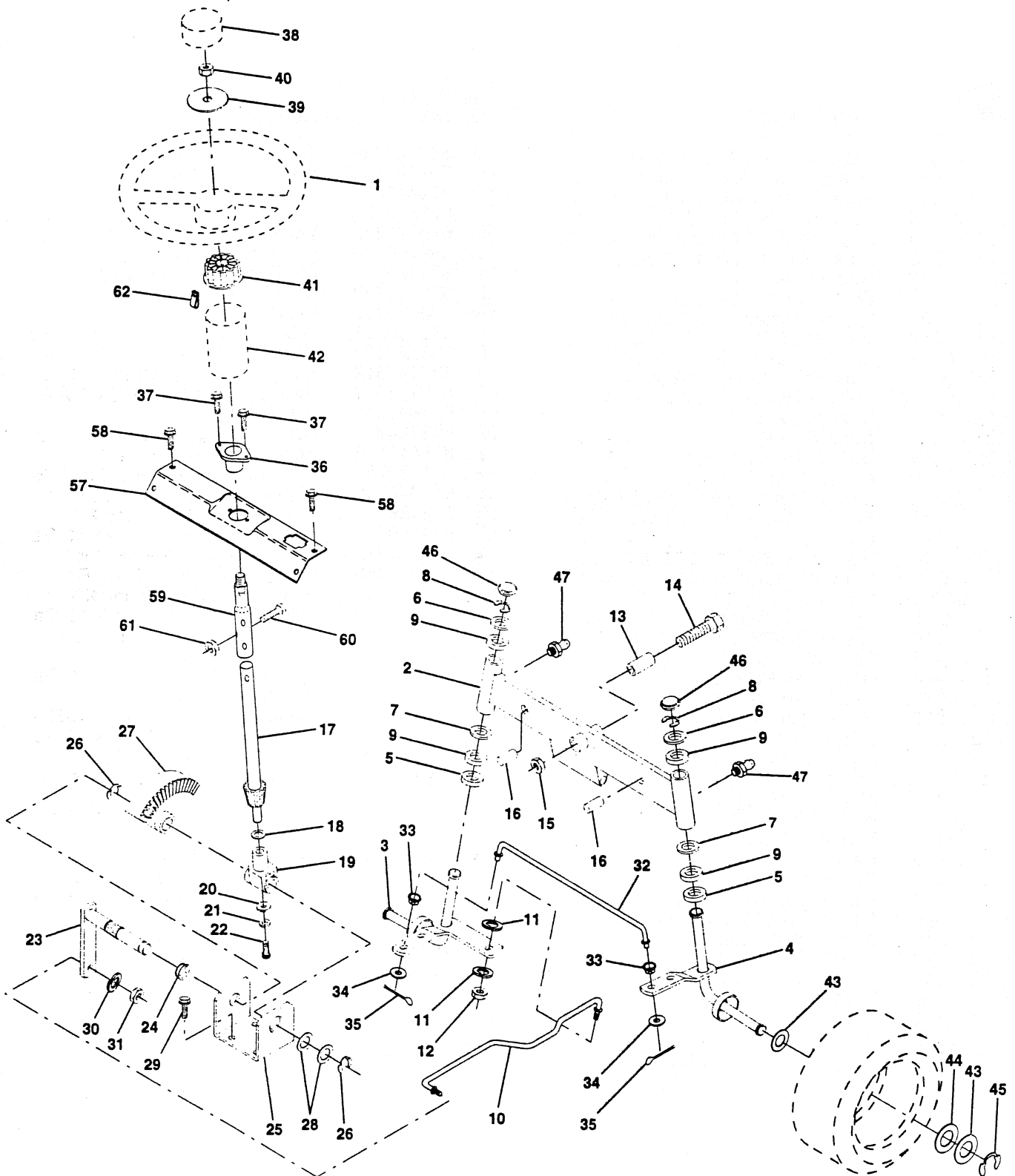
DRIVE

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION		
1	532142607	Transaxle 6sp Dana 4360-81	48	532123789	Bellcrank Asm Clutch
2	532110422	Spring Return Brake T/a Zinc	49	532123205	Retainer Belt Style Spring
3	532123666	Pulley Transaxle 18"tires	50	874760624	Bolt Hex Hd 3/8-16unc X 1-1/2
4	812000028	Ring Retainer # 5100-62	51	873680600	Nut Crownlock 3/8-16 Unc
5	532121520	Strap Torque 30 Degrees	52	819131316	Washer 13/32 X 13/16 X 16 Ga
6	817490512	Screw Thdrol 5/16-18 X 3/4 TYT	53	532105710	Link Clutch 7 66
8	532141003	Rod Shifter	54	876020412	Pin Cotter 1/8 X 3/4 Cad
10	876020416	Pin Cotter 1/8 X 1 Cad	55	532105709	Spring Return Clutch 6 75
11	532105701	Washer Plate Shf 388 Sq Hole	56	876020412	Pin Cotter 1/8 X 3/4 Cad
12	819151216	Washer 15/32 X 3/4 X 16 Ga	57	532130801	V-Belt Ground Drive 95 25 42"
13	871040412	Bolt Fin Hex 1/4-28unfx3/4 Gr8	58	532127274	Keeper Belt RH LT Pnt/zinc 16g
14	810040400	Washer Lock Hvy Helical 1/4	59	532140312	Keeper Belt Span Ctr
15	874780544	Bolt Fin Hex 5/16-18uncx 2 3/4	60	819131312	Washer 13/32 X 13/16 X 12 Ga
16	873800500	Nut Lock 5/16-18	61	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
17	532121520	Strap Torque LT	62	532124872	Cover Pedal Blk Round
18	874780616	Bolt Fin Hex 3/8-16unc X 1 Gr. 5	63	532140186	Engine Pulley LT/YT
19	873800600	Nut Lock 3/8-16 Unc	64	871170764	Bolt Hex 7/16-20x4 Gr 5
20	817490512	Screw Thdrol 5/16-18 X 3/4 TYT	65	810040700	Washer Lock Hvy Hlcl Spr 7/16
21	532121274	Knob Duckhead1/2-13 Plstc Thds Blk	66	532129921	Keeper Belt Engine LH LT
22	532130804	Rod Brake Blk Zinc 26 840	67	874760616	Bolt Fin Hex 3/8-16unc X 1
23	873800600	Nut Lock Hex W/wsh 3/8-16unc	68	819131312	Washer 13/32 X 13/16 X 12 Ga
24	873350600	Nut Hex Jam 3/8-16 Unc	69	873680600	Nut Crownlock 3/8-16 Unc
25	532106888	Spring Rod Brake 2 00 Zinc	70	532134683	Guide Belt Mower Drive RH
26	819131316	Washer 13/32 X 13/16 X 16 Ga	71	874760616	Bolt Fin Hex 3/8-16unc X 1
27	876020412	Pin Cotter 1/8 X 3/4 Cad	72	819132012	Washer 13/32 X 1-1/4 X 12 Ga
28	532140448	Rod Brake Parking LT	73	873680600	Nut Crownlock 3/8-16 Unc
29	532071673	Cap Brake Parking Black	74	532109502	Spacer Split
30	532130807	Bracket Mtg Transaxle	75	532121749	Washer 25/32 X 1 1/4 X 16 Ga
31	532127275	Keeper Belt LH LT 14 Ga	76	812000001	E-ring #5133-75
32	874760512	Bolt Hex Hd 5/16-18unc X 3/4	77	532123583	Key Square 2 0 X 1845/ 1865
33	873800500	Locknut 5/16-18	78	532121748	Washer 25/32 X 1-5/8 X 16 Ga
34	532122424	Shaft Asm Pedal Foot 1 930	80	532131487	Arm Shift Transaxle
35	532120183	Bearing Nylon Blk 629 Id	81	532136933	Shaft Asm Cross 20"t 42"deck
36	819211616	Washer 21/32 X 1 X 16 Ga	82	532123782	Spring Torsion T/a
37	532124963	Pin Roll 3/16 X 1"	83	819171216	Washer 17/32 X 3/4 X 16 Ga
38	532123674	Pulley Idler Flat	84	532132183	Rod Shift Adj Tie
39	874760644	Bolt Fin Hex 3/8-16unc X 2-3/4	85	873530400	Nut Nylock 1/4 - 28
40	532124965	Spacer Split 395 X 59 Bzp	86	532071208	Bushing Rod Strg 629/632 Id
41	532109070	Keeper Belt Retainer	87	819212016	Washer 21/32 X 1-1/4 X 16 Ga
42	819131312	Washer 13/32 X 13/16 X 12 Ga	88	812000008	Ring Klip #5304-62
43	873800600	Nut Lock 3/8-16 Unc	89	532139964	Console Shift 6sp LT
44	532105706	Bearing Nyl 503 X 628 X 1 25	90	532124346	Nut Self-thd Wsh-hd 1/4 Zinc
45	532110812	Washer Hardened	95	817490612	Screw Thdrol 3/8-16x3/4 Ty-tt
46	812000039	Ring Klip #5304-50	100	819111216	Washer 11/32 X 3/4 X 16 Ga.
47	532127783	Pulley Idler V Groove Plastic			

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
STEERING ASSEMBLY



REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92

STEERING ASSEMBLY

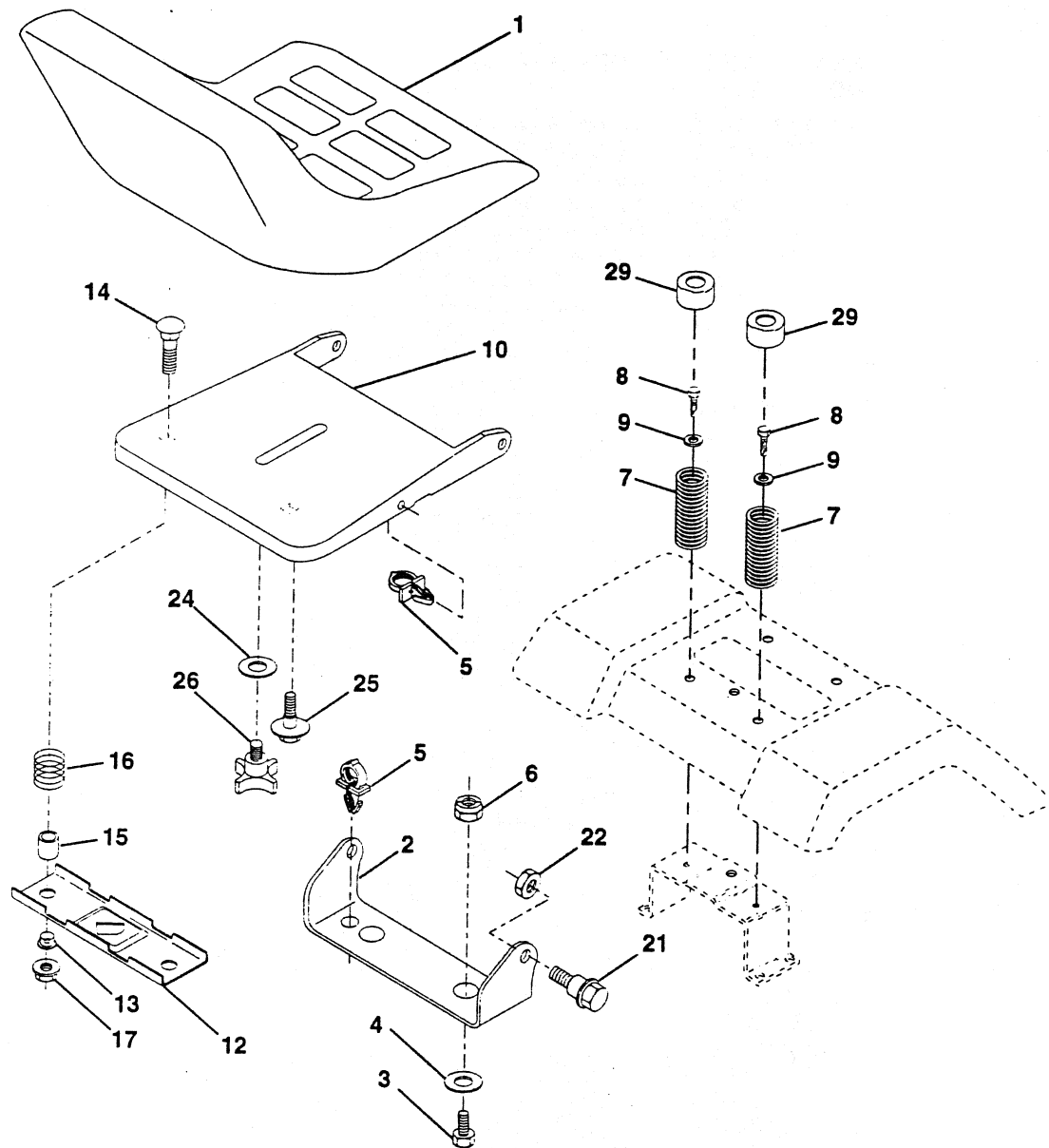
KEY NO.	PART NO.	DESCRIPTION
1	532121472	Wheel Steering Auto Blk
2	532142033	Axle Asm Fr LT W/gzks 38/42
3	532135227	Spindle Asm LH
4	532135228	Spindle Asm RH
5	532124931	Bearing Race Thrust Harden
6	532121748	Washer 25/32 X 1-5/8 X 16 Ga
7	819272016	Washer 27/32 X 1-1/4 X 16 Ga
8	812000029	Ring Klip #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	532140176	Shaft Asm Strg Private Label
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	532136874	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	532139929	Rod Tie BJ Solid 19 75 Mech
33	819111216	Washer 11/32 x 3/4 x 16 Ga.
34	810040500	Washer Lock Hvy Hlcl Spr 5/16 Ga
35	873810500	Locknut 5/16-24 UNF
36	532102803	Bushing Strg
37	817431008	Screw Slftp #10-16 X 1/2 Ty-b
38	532126805	Insert Cap Strg Wh Au
39	819133808	Washer 13/32 X 2-3/8 X 8 Ga
40	532124701	Nut Lock Center 3/8-24unf
41	532104820	Adaptor Wheel Strg 640/ 635id
42	532140216	Boot Steering Shaft
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
48	532140172	Support Shaft Steering
49	817490412	Screw Hex Wsh Thdrol 1/4-20 x 3/4
50	532140171	Shaft Extention Steering
51	874780520	Bolt Fin Hex 5/16-18 Unc x 1-1/4
52	873800500	Nut Lock Hex w/lns 5/16-18
53	532140285	Clip Tinnerman

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92

SEAT ASSEMBLY



KEY PART NO. NO.

DESCRIPTION

1	532127428	Seat V450 Blk/blk Std
2	532140551	Bracket Pivot Seat 8 720
3	874760616	Bolt Fin Hex 3/8-16unc X 1
4	819131610	Washer 13/32 X 1 X 10 Ga
5	532140407	Clip Push-In
6	873800600	Nut Lock 3/8-16 Unc
7	532124181	Spring Seat Cprsn 2 250 Blk Zi
8	817490616	Screw Thdrol 3/8-16 X 1 Ty-tt
9	819131614	Washer 13/32 X 1 X 14 Ga.
10	532140552	Pan Seat
12	532121246	Bracket Mounting Switch
13	532121248	Bushing Snap Blk Nyl 50 Id

KEY PART NO. NO.

DESCRIPTION

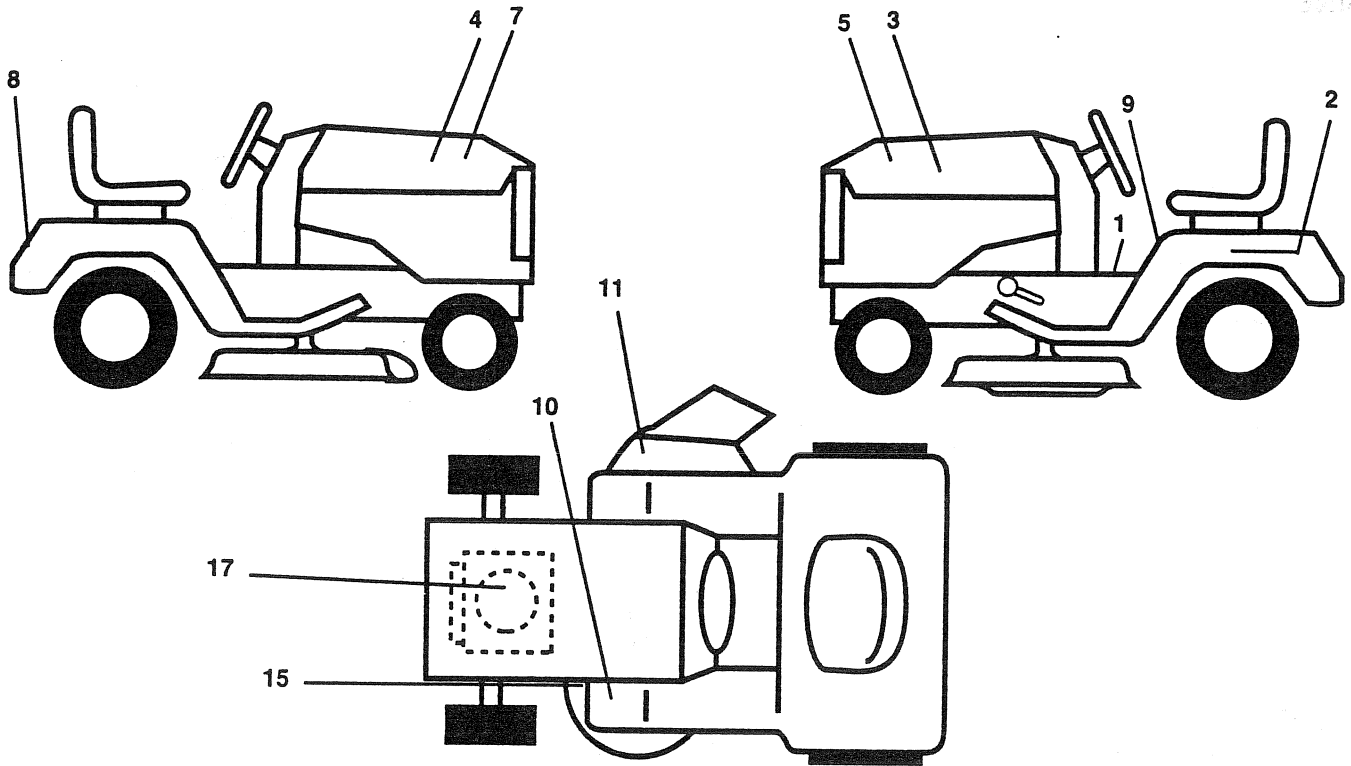
14	872050411	Bolt Rdhd Sht Nk 1/4-20x1-3/8
15	532134300	Spacer Split 28x 96 Yel Zinc
16	532121250	Spring Cprsn 1 27 Blk Pnt
17	532123976	Nut Lock 1/4 Lge Flg Gr 5 Zinc
21	532139888	Bolt Shoulder 5/16-18 Unc Blkz
22	873800500	Nut Hex Lock W/Ins 5/16-18
24	819171912	Washer 17/32 X 1-3/16 X 12 Ga.
25	532127018	Bolt Shoulder 5/16-18 X 62
26	532120068	Knob Seat 1/2-13 UNC Blk
29	532124238	Cap Spring Seat

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92

DECALS



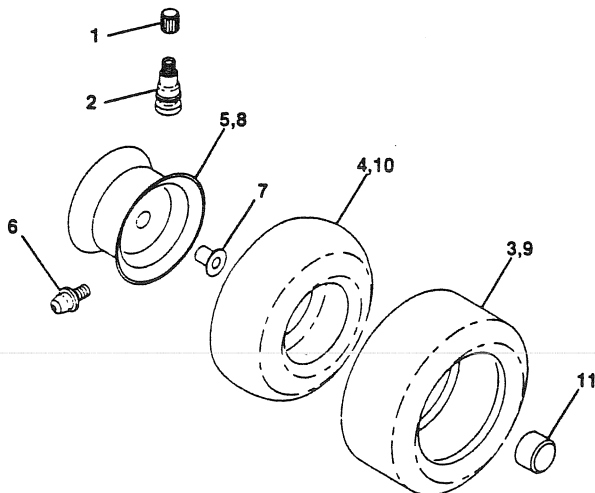
KEY NO.	PART NO.	DESCRIPTION
1	532140820	Decal Instruction Dash Eng/fr
2	532121549	Decal Caution Battery Fr/ger
3	532143608	Decal Hood LH
4	532143609	Decal Hood RH
5	532143959	Decal Ins Hd LH
7	532143958	Decal Ins Hd RH
8	532131582	Decal Fender Logo
9	532133795	Decal Caution Fender Eng/fr
10	532101892	Decal Clutch/brake Eng/fr
11	532137259	Decal Warning Multi-Language

KEY NO.	PART NO.	DESCRIPTION
15	532136830	Decal V-Belt Schematic
17	532142123	Decal HP Engine
--	532138311	Decal Handle Lft Height Adjust
--	532143689	Manual Owner's (English)
--	532143690	Manual Owner's (French)

Available accessories not included with tractor:

--	LBD48	42" Snow Blade
--	LSB42	40" Snow Thrower
--	LC05	33lb. Wheel Wts. (Pair)
--	LC06	Tire Chains (20 x 10 x 8)
--	C42	Grass Catcher for 42"

WHEELS & TIRES

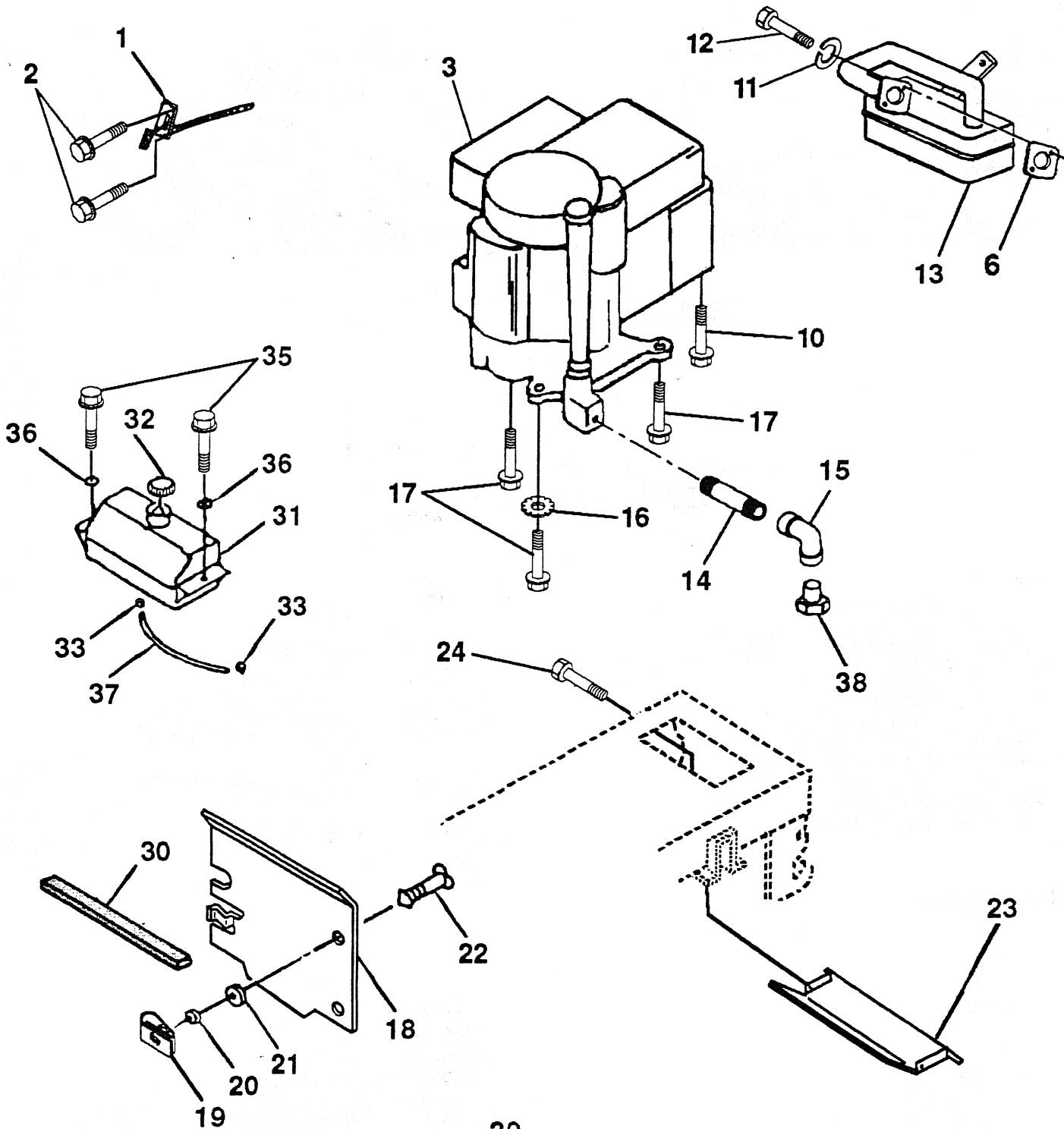


KEY NO.	PART NO.	DESCRIPTION
1	532059192	Cap Valve Tire
2	532065139	Stem Valve
3	532106222	Tire F Ts 15 X 6 0 - 6 Service
4	532059904	Tube Front (Service Item Only)
5	532141446	Rim Asm 6"front White Service
6	532124957	Fitting Grease (Front Wheel Only)
7	532124959	Bearing Flange (Front Wheel Only)
8	532141447	Rim Asm 8"rear White Service
9	532122082	Tire R Ts 20-10 x 8 C Service
10	532124926	Tube Rear (Service Item Only)
11	532104757	Cap Axle Blk 1 50 X 1 00

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
ENGINE



29

OPTIONAL EQUIPMENT
Spark Arrester

REPAIR PARTS

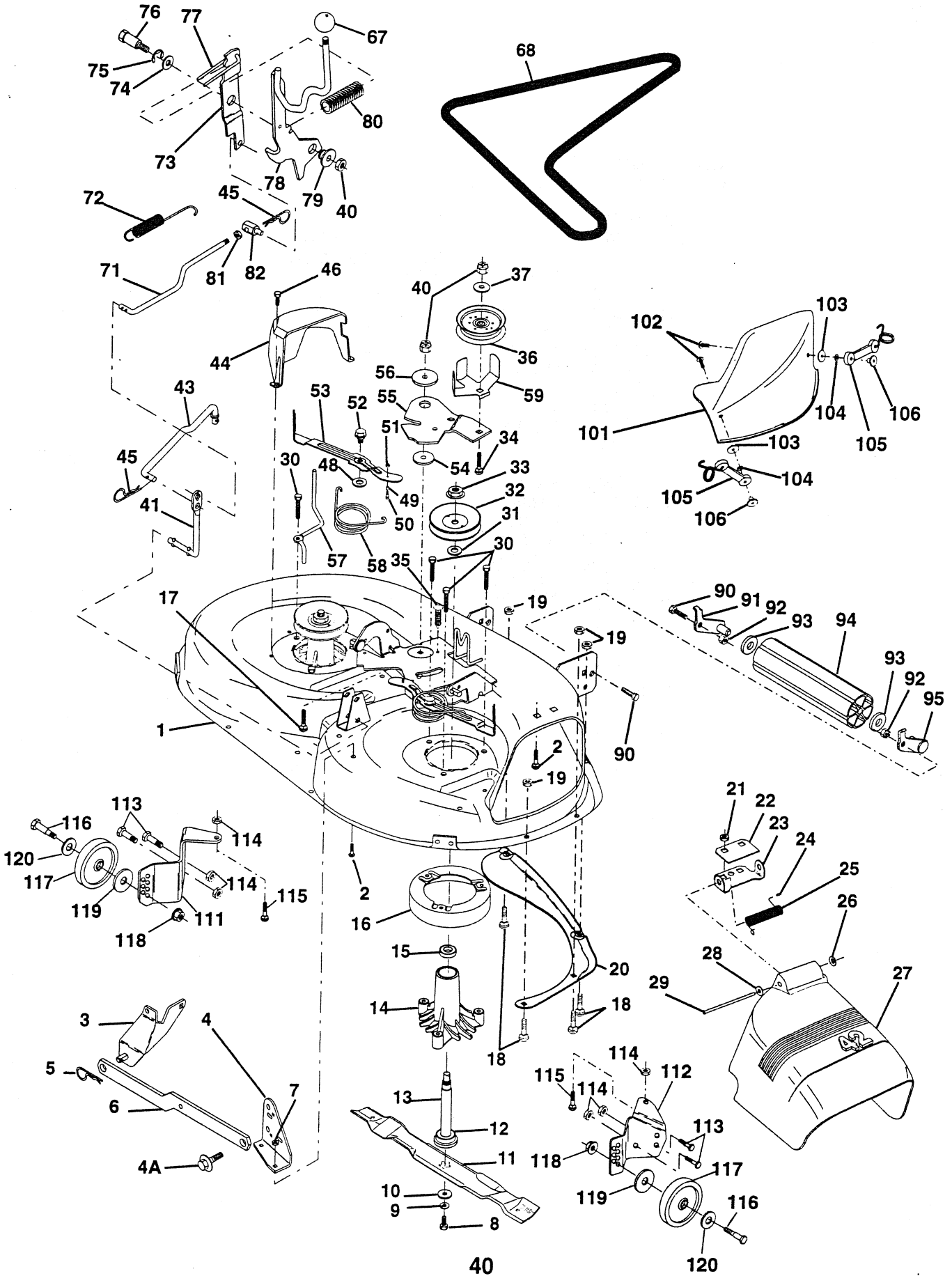
14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
ENGINE

KEY NO.	PART NO.	DESCRIPTION
1	532140310	Control Th/ch 23 5 LH Flag
2	817720410	Screw Hex Thd Cut 1/4-20x5/8 T
3	-----	Engine B&S 14 HP Vanguard Dual Model No. 28Q777
5	817490616	Screw Thdrol 3/8-16 x 1 Ty-tt
6	532125593	Gasket Eng 1 313 Id Tin Plated
11	810040500	Washer Lock Hvy Hlcl Spr 5/16
12	871070512	Screw Hexhd Cap 5/16-18x 3/4
13	532137352	Muffler LT B&S 14HP IC OHV
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
18	532136718	Shield Heat Lt
19	532105839	Receptacle 1/4 turn
20	532105838	Retainer 1/4 turn
21	819091016	Washer 9/32 x 5/8 x 16 Ga.
22	532123650	Stud 1/4 turn
23	532128953	Shield Heat Browning LT/YT
24	817021008	Screw Tap Hex #10-24unc X 1/2
29	532137180	Kit Spark Arrestor (Flat Scrn)
30	532127057	Pinch Weld Hood Black
31	532140280	Tank Fuel Front 2 00
32	532140527	Cap Asm Fuel W/sym Vented
33	532123487	Clamp Hose Black
34	532124028	Bushing Snap Nyl Blk Fuel Line
35	817490412	Screw Hexwsh Thdrol 1/4-20x3/4
36	819091416	Washer 9/32 X 7/8 X 16 Ga
37	532137040	Line Fuel 20"
38	-----	Plug Oil Drain (Order From Engine Manufacturer)

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
MOWER DECK



REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92

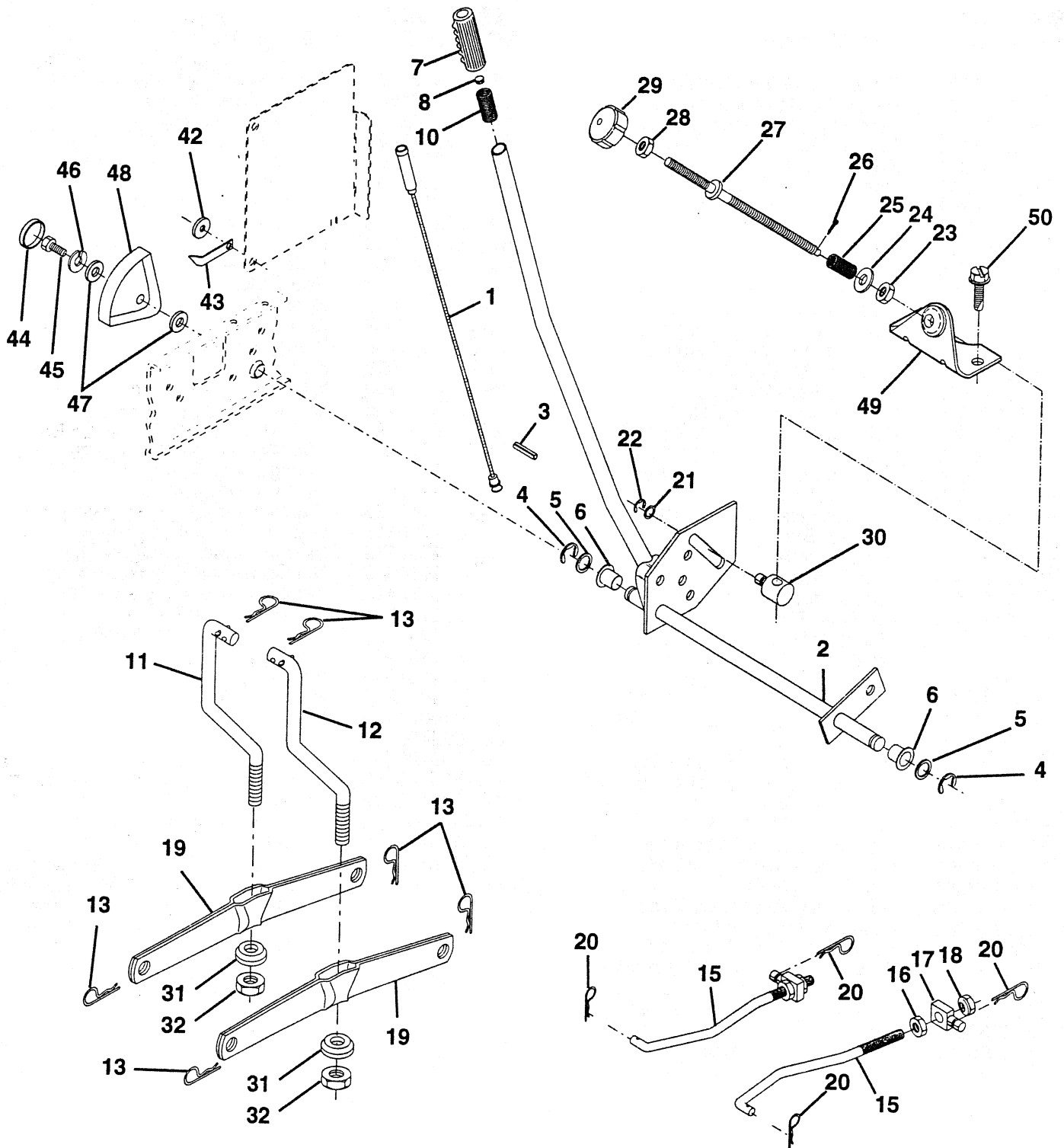
MOWER DECK

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	532140081	Deck Asm MWR 42"weldment	52	532139888	Bolt Shoulder 5/16-18 Unc Blkz
2	872140506	Bolt Rdhd Sqnk 5/16-18unc X3/4	53	532131845	Arm Asm Pad Brake
3	532138017	Bracket Asm Fr Sway Bar 38/42	54	532133943	Washer Hardened
4	532138440	Bracket Asm Deck 42"sway Bar	55	532140084	Arm Idler 42"mower LT/YT
4A	532132827	Bolt Shoulder	56	532122052	Spacer Retainer Pm Mower
5	532124670	Retainer Spring	57	532140090	Keeper Belt LH Front
6	532130832	Arm Suspension Rear	58	532140086	Spring Torsion Brakes
7	873800500	Locknut-hex W/ins 5/16-18unc P	59	532141043	Guard TUV Idler
8	532850857	Bolt 3/8 - 24 X 1.25 Gr 8	67	532106933	Knob Rd 1/2-13 Plstc Thds Blk
9	810030600	Washer Lock Hvy 3/8	68	532140067	V-Belt Mower 42" 82 625
10	532140296	Washer Hard Blade Mower Vented	71	532142427	Rod Clutch Primary 38/42
11	532134149	Blade Mower Mulching 42"	72	532131870	Spring Return
12	532129895	Bearing Ball #6024 (Mandrel)	73	532127847	Arm Clutch Secondary
13	532137645	Shaft Asm W/lower Bearing	74	532121748	Washer 25/32 X 1-5/8 X 16 Ga
14	532128774	Housing Mandrel Vented	75	812000029	Ring Klip #15304-75
15	532110485	Bearing Ball Mandrel	76	532128903	Bolt Shoulder 3/8-16 Unc 1 44
16	532140329	Stripper Mower Vented	77	532127845	Keeper Spring 4 000
17	872110610	Bolt Rdhd Sqnk 3/8-16 X 1-1/4	78	532140179	Arm Asm Clutch Primary
18	872140505	Bolt Rdhd Sqnk 5/16-18 X 5/8	79	532127498	Bushing 747 Od X 794 Lg Brass
19	873800500	Locknut-hex W/ins 5/16-18unc P	80	532128759	Spring Clutch Mower 2 750 Zinc
20	532136888	Baffle Vortex 42	81	873350600	Nut Hex Jam 3/8-16
21	873800500	Nut Lock Hex W/Ins 5/16-18	82	532142028	Trunnion Adj 94
22	532134753	Stiffener Bracket 42"deck	90	874760616	Bolt Fin Hex 3/8-16 UNC x 1
23	532131267	Bracket Deflector Mower 42"	91	532132274	Bracket Asm Noseroller LH
24	532105304	Cap Sleeve 80x 112 Blk Mower	92	873680600	Nut Crownlock 3/8-16 UNC
25	532123713	Spring Torsion Deflector 2 52	93	819171416	Washer 17/32 x 7/8 x 16 Ga.
26	532110452	Nut Push Phos & Oil	94	532132264	Roller Nose 38 & 42
27	532130968	Shield Deflector Mower 42" Blk	95	532132273	Bracket Asm Noseroller RH
28	819111016	Washer 11/32 X 5/8 X 16 Ga	101	532136420	Cover Mulching 42" Black
29	532131491	Rod Hinge 42"6 75 Wlg	102	871161010	Screw
30	532138776	Screw Thdrol Hex Head Zinc Mwr	103	819061216	Washer #10
31	532129963	Washer Spacer Mower Vented	104	810071000	Washer Lock #10
32	532129861	Pulley Mandrel 42"	105	532130758	Latch Asm Bagger
33	532137266	Nut 9/16 Toplock Fing Oil Dip	106	532125004	Nut Weld
34	872110614	Bolt Rdhd 3/8-16uncx1-3/4 Gr5	111	532140353	Bracket Wheel Gauge LH 42" Deck
35	532133835	Fastner Christmas Tree	112	532132262	Bracket Gauge Wheel RH 42" Deck
36	532131494	Pulley Idler Flat 3 060	113	874760512	Bolt Hex Hd 5/16-18 UNC x 3/4
37	819131316	Washer 13/32 X 13/16 X 16	114	873510500	Nut Keps 5/16-18 UNC
40	873800600	Nut Lock He.; W/Ins 3/8-16 Unc	115	872110504	Bolt Carriage 5/16-UNC x 1/2
41	532133551	Rod Pivot W/nibs	--	532140475	Deck Serv 42"mch S Bar Mult-Lang (Standard Deck - Order noseroller, mulch cover and gauge wheel components separately Key Nos. 90-95, 101-106 and 111-120)
43	532140083	Rod Clutch Secondary W/nibs	--	532130794	Mandrel Asm Service (Includes Key Nos. 8-10, 12-15, 31 and 33)
44	532140088	Guard Mandrel LH Black			
45	532124788	Spring Retainer 1" Zinc/cad			
46	532137729	Screw Hex Thd Cut 1/4-20x5/8 T			
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			

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
MOWER LIFT



REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92

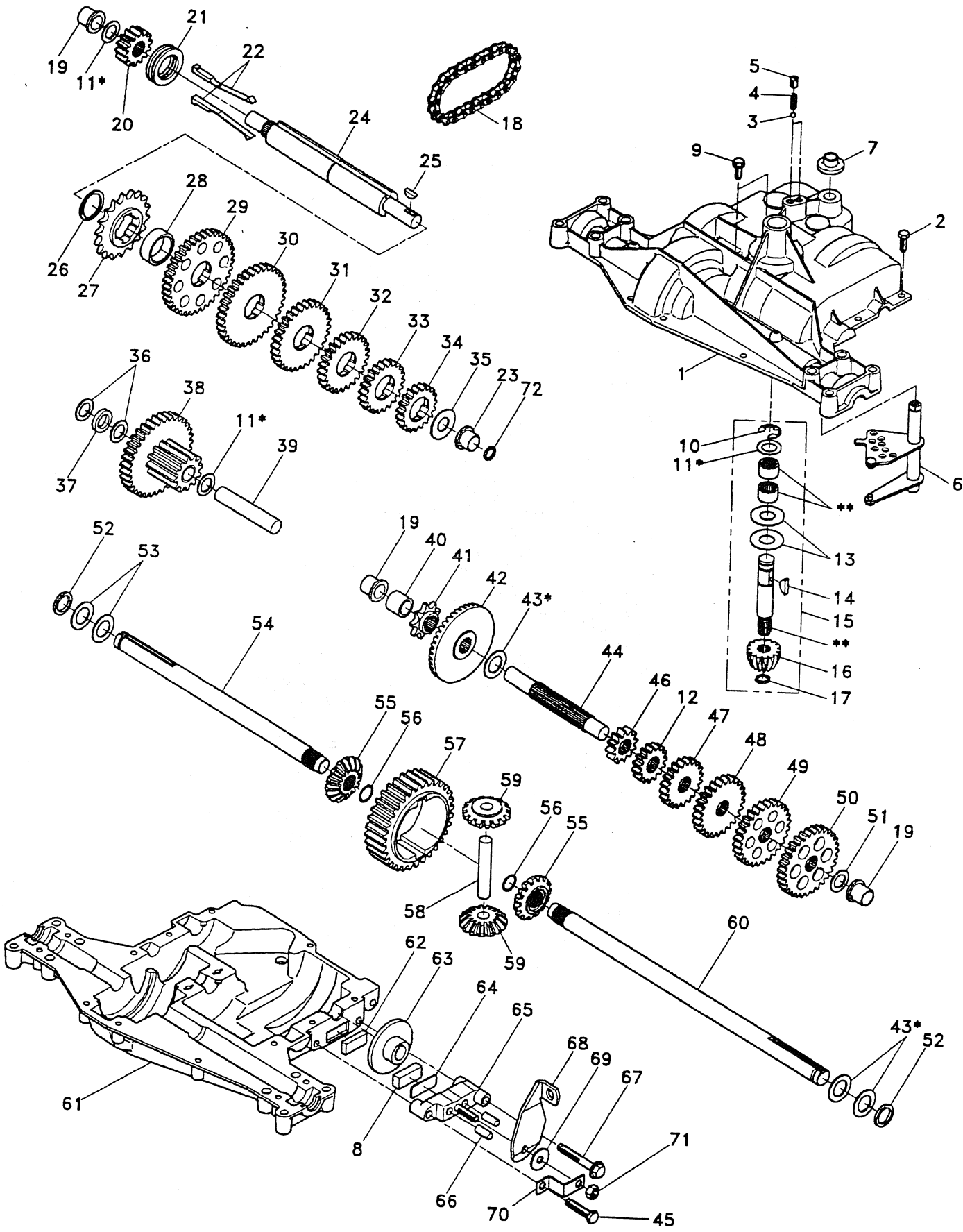
MOWER LIFT

KEY NO.	PART NO.	DESCRIPTION
1	532136973	Wire Asm Inner W/plunger 17 32
2	532140278	Shaft Asm Lift LH Inf Hgt P/L
3	532138284	Pin Groove 1 500 Zinc
4	812000002	E Ring #5133-62
5	819211621	Washer 21/32 X 1 X 21 Ga
6	532120183	Bearing Nylon Blk 629 Id
7	532109413	Grip Handle Bicycle Matte Blk
8	532124526	Button Plunger Black
10	532122512	Spring Cprsn 3 750 Oiled
11	532139865	Link Lift LH
12	532139866	Link Lift RH
13	532124670	Retainer Spring
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	532139868	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	532126971	Rod Adj Lift Zinc 7 49 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
31	532140302	Bearing pvt. Lift Sphencal
32	873810600	3/8-24 Nylock Nut
42	532120529	Washer Nylon .44 x .75 x 032
43	532138346	Pointer pnt height ind.
44	532123935	Plug hole Blk 1.485/1.515 Dia
45	874780516	Bolt Fin hex 5/16-18 UNC x 1.00
46	810040500	Washer lock hvy hlcl spr. 5/16
47	819112410	Washer 11/32 x 1-1/2 10 Ga
48	532123934	Scale Ind. Hieght Black
49	532140168	Bracket Stop Inf Hgt
50	817490608	Screw Thdtol 3/8-16 x 1/2 Ty-tt

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

REPAIR PARTS

14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
DANA TRANSAXLE - MODEL NUMBER 4360-81



REPAIR PARTS

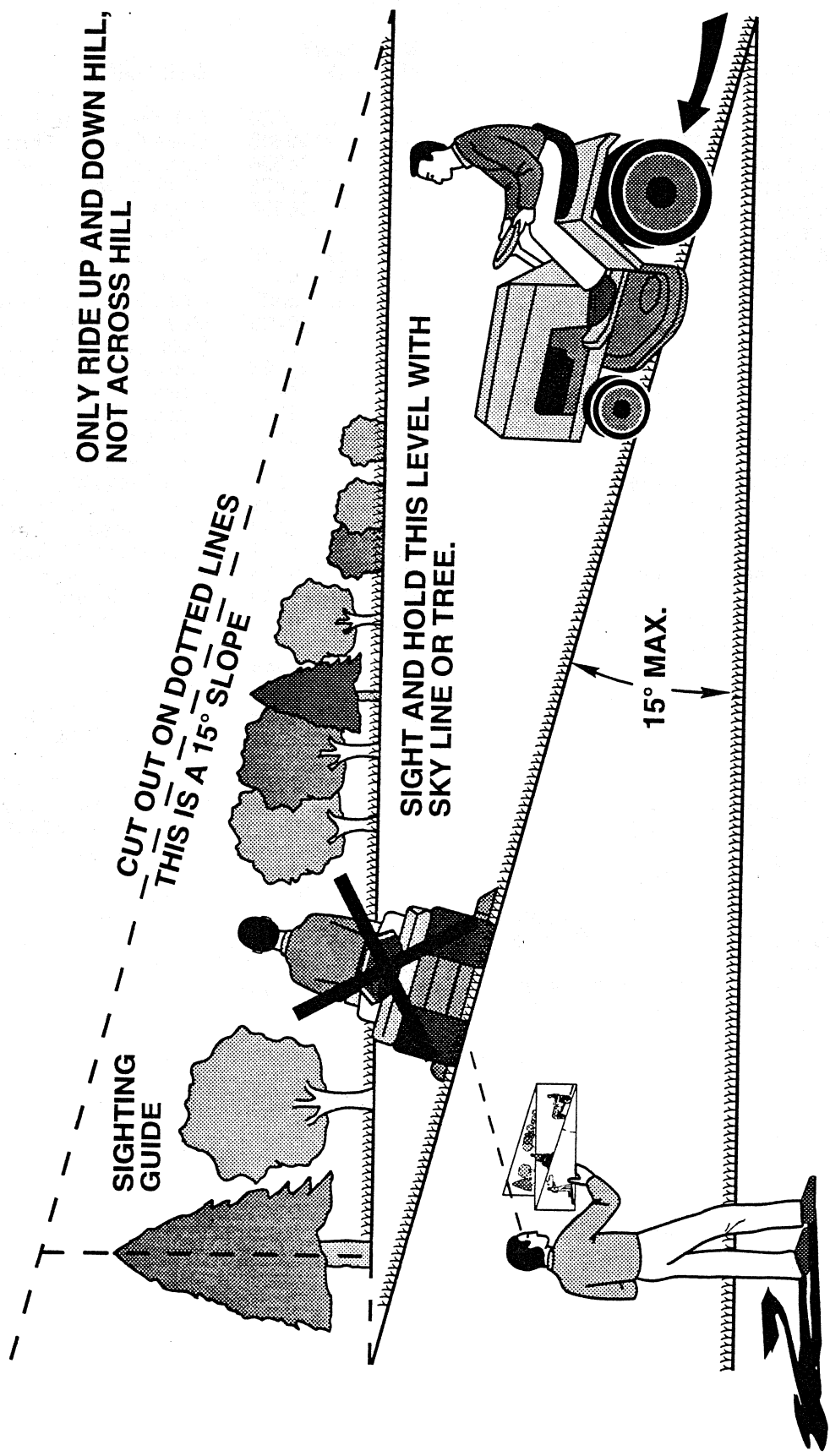
14 HP 42" TRACTOR - MODEL NO. LT140 (HC1442A) PRODUCT NO. 954 00 08-92
 DANA TRANSAXLE - MODEL NUMBER 4360-81

KEY PART NO.	NO.	DESCRIPTION	KEY PART NO.	NO.	DESCRIPTION
1	532142671	Housing, Upper	41	532105928	Sprocket, 9 Teeth
2	532002274	Screw, Self-Tapping, Large 1/4-20 x .734	42	532106605	Gear, Bevel, 42 Teeth
3	532134400	Ball, Detent	43	532134394	* Assembly, Kit, Shim .750 Shaft
4	532105904	Spring, Detent	44	532120473	Shaft, Drive
5	532105905	Screw, Set	45	532106596	Screw, Self-Tapping, Large 5/16-18 x 1.44
6	532134788	Kit, Shifter Assembly	46	532142678	Gear, Spur, 12 Teeth
7	532134399	Boot, Shifter	47	532120407	Gear, Spur, 20 Teeth
8	532120951	Puck, Friction	48	532106589	Gear, Spur, 25 Teeth
9	532134791	Screw, Self-Tapping, with Sealer	49	532120408	Gear, Spur, 28 Teeth
10	532142672	Ring, Retaining	50	532105937	Gear, Spur, 31 Teeth
11	532134793	* Assembly, Kit, Shim .625 Shaft	51	532002226	Washer, Plain .632 x 1.00 x .060
12	532142679	Gear, Spur, 15 Teeth	52	532134401	Washer, Neoprene
13	532120415	Washer, Plain .632 x 1.38 x .046	53	532002264	Washer, Plain .758 x 1.25 x .031
14	532142674	Key, Woodruff, #9	54	532120474	Axle, L.H.
15	532106846	Assembly, Kit, Input Shaft	55	532120409	Gear, Miter, 15 Teeth
16	532106095	Pinion, Bevel, 14 Teeth	56	532105941	Ring, Retaining
17	532105909	Ring, Retaining	57	532110071	Gear, Spur, 32 Teeth
18	532105910	Chain, 24 Pitches	58	532120952	Shaft, Cross
19	532105911	Bearing, Flange	59	532106592	Gear, Miter, 15 Teeth
20	532142675	Gear, Spur, 14 Teeth	60	532123908	Axle, R.H.
21	532138246	Collar, Clutch	61	532142680	Housing, Lower
22	532138237	Assembly, Kit, Clutch Keys	62	532120961	Puck, Friction
23	532143051	Bearing, Flange	63	532007294	Disc, Brake
24	532142676	Shaft, Intermediate	64	532108989	Spacer
25	532002244	Key, Woodruff, #61	65	532120953	Jaw, Brake
26	532105916	Ring, Retaining	66	532120954	Pin, Dowel
27	532120470	Sprocket, 18 Teeth	67	532134799	Screw, Self-Tapping, Large 5/16-18 x 2.25
28	532110070	Spacer	68	532138244	Lever, Actuating
29	532142677	Gear, Spur, 37 Teeth	69	532108996	Washer, Plain .321 x 1.00 x .055
30	532142681	Gear, Spur, 35 Teeth	70	532120956	Bracket, Anti-Rotation
31	532120405	Gear, Spur, 30 Teeth	71	873810500	Locknut 5/16-24
32	532108980	Gear, Spur, 25 Teeth	72	532143045	Seal, Oil
33	532120406	Gear, Spur, 22 Teeth	73	532120416	Grease
34	532134796	Gear, Spur, 19 Teeth			
35	532105925	Washer, Plain .640 x 1.37 x .061			
36	532002232	Washer, Plain .632 x 1.00 x .026			
37	532108978	Spacer .630 x 1.00 x .169			
38	532110079	Assembly, Gear, Combination of 12 Teeth and 35 Teeth			
39	532124639	Shaft, Idler			
40	532120472	Spacer .635 x .875 x .755			

* Use in combinations to maintain proper clearances
 ** Order Key No. 15

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

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.



SECTION 1: LIMITED WARRANTY

Husqvarna Forest & Garden Company ("Husqvarna") warrants Husqvarna product to the original purchaser to be free from defective material and workmanship from the date of purchase for the "Warranty Period" here stated dependent upon the type of product use. Warranty period is as follows for products listed:

- 5 Year Warranty:** Plastic walk behind mower decks for noncommercial, noninstitutional or nonincome producing use.
- 2 Year Warranty:** Riding lawn mowers, yard and garden tractors, walk behind mowers, tillers and attachments for noncommercial, noninstitutional or nonincome producing use. Ignition coils or modules on the chain saws, clearing saws and trimmers.
- 1 Year Warranty:** Chain saws, clearing saws, trimmers, blowers and batteries for noncommercial, noninstitutional or nonincome producing use.
- 90 Day Warranty:** Any Husqvarna product used for rental, commercial, professional, or income producing use.
- 30 Day Warranty:** Husqvarna professional bow bars.
- 30 Day Replacement Part Warranty:** Unless otherwise stated, replacement parts are warranted for 30 days from date of purchase.

SECTION 2: HUSQVARNA'S OBLIGATIONS UNDER THE WARRANTY

Husqvarna will remedy defects in material and workmanship during the warranty period by repairing or replacing, at Husqvarna's option, the defective component without charge for parts or labor.

SECTION 3: ITEMS NOT COVERED BY THIS WARRANTY

The following items are not covered by this warranty:

- (1) Normal customer maintenance items (i.e., belts, blades, blade adapters, bulbs, filters, guide bars, lubricants, rewind springs, saw chain, spark plugs, starter ropes and lines).
- (2) Normal wear, normal adjustment, standard hardware or items worn through regular use.
- (3) Natural discoloration of material due to ultraviolet light.
- (4) The replacement or maintenance of worn items.
- (5) Briggs & Stratton, Kawasaki and Kohler engines, including starters, generators, alternators and accessories. These items are covered by the engine manufacturer's warranty as stated with the product information supplied at the time of purchase. All claims for specified engines, starters, generators, alternators and accessories should be sent to the appropriate manufacturer.
- (6) Agri-Fab, Foote, and Tecumseh-Peerless drive systems. These items are covered by the drive system manufacturer's warranty as stated with the product information supplied at the time of purchase. All claims for specified drive systems should be sent to the appropriate manufacturer.

SECTION 4: EXCEPTIONS AND LIMITATIONS

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

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

- (2) Failure to operate or maintain the unit in accordance with the Owner's/Operator's manual or instruction sheet furnished by Husqvarna.
- (3) Alterations or modifications that affect the unit's performance, operation, safety, durability, change its intended use, or cause failure of compliance with current regulatory standards or applicable federal, state or local laws.
- (4) Use of parts or accessories which are not recommended by Husqvarna Forest & Garden Company.
- (5) Additional damage to parts or components due to continued use occurring after any of the above.

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

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

SECTION 5: CUSTOMER RESPONSIBILITIES

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

SECTION 6: PROCEDURE TO OBTAIN WARRANTY CONSIDERATION

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

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

To obtain the benefit of this warranty, the product believed to be defective must be delivered in a timely manner, within thirty (30) days from date of operational problem or failure, and during the warranty period, to any authorized Husqvarna dealer. The product must be delivered to the dealer, at the owner's expense. An authorized Husqvarna dealer can be normally located through the "Yellow Pages" of the local telephone directory.

HUSQVARNA FOREST & GARDEN CO.
9006-J PERIMETER WOODS DRIVE
CHARLOTTE, NORTH CAROLINA 28216

Husqvarna
532143689

01.24.94

Printed in U.S.A.