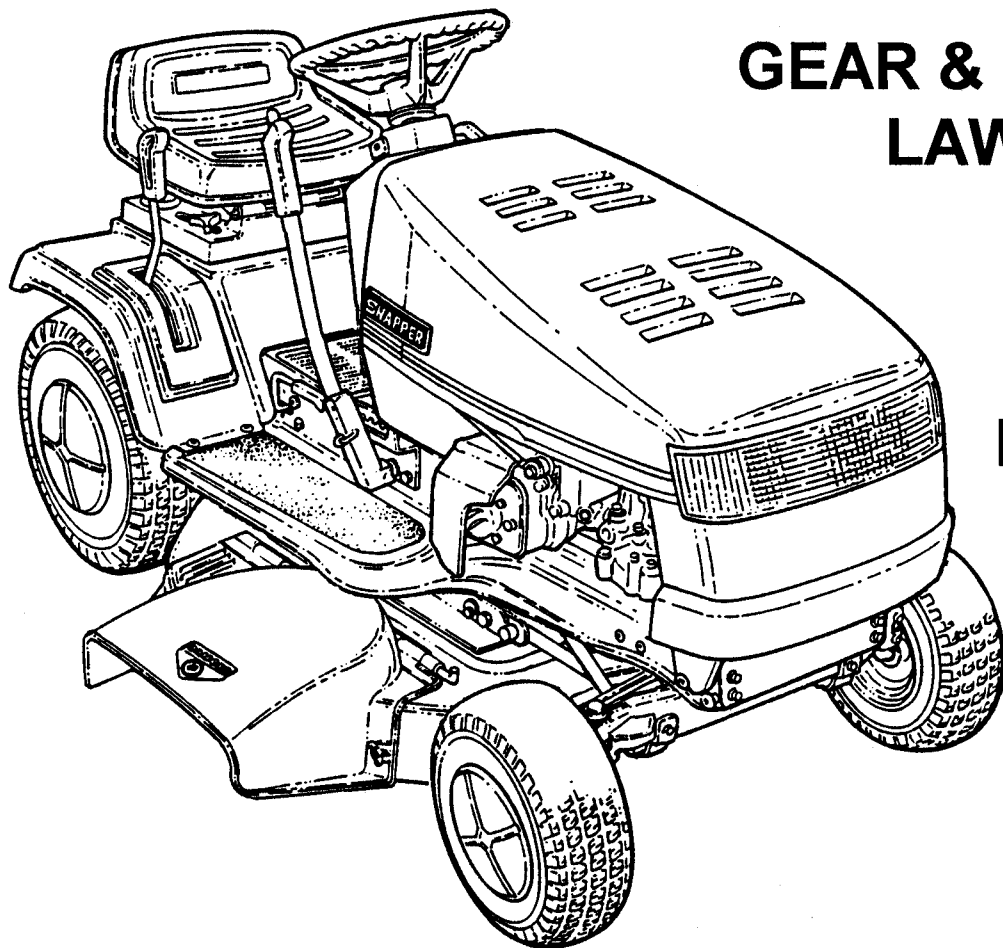


Safety Instructions & Operator's Manual for



GEAR & HYDRO DRIVE LAWN TRACTORS SERIES B MODELS BH125G38BB BH140H38BBV

MODEL NUMBER EXPLANATION

PREFIX		BODY			SUFFIX		PREFIX EXPLANATION	BODY EXPLANATION	SUFFIX EXPLANATION				
B	H	1	5	5	H	4	2	B	B	V	BH-Blackhawk	120- 12hp Engine 125- 12-1/2hp Engine 140- 14hp Engine 150- 15hp Engine 155- 15-1/2hp Engine H- Hydrostatic Drive G- Gear Drive 30- 30" Cutting Width 33- 33" Cutting Width 38- 38" Cutting Width 42- 42" Cutting Width	B- Series Designation B- Briggs & Stratton V- Overhead Valve Engine
ENGINE HP		TRANSMISSION TYPE			CUTTING WIDTH		ENGINE BRAND	ENGINE DESIGNATION	ENGINE OPTIONS				

Thank you for buying a BLACKHAWK product! Before operating the Series B Lawn Tractor, read and follow the "IMPORTANT SAFETY INSTRUCTIONS" on page 3, all other instructions contained in this manual and the accompanying booklet "About Power Mower Safety". Lawn mowers and all power equipment can be potentially dangerous if used improperly. REMEMBER: SAFETY REQUIRES CAREFULL USE IN ACCORDANCE WITH INSTRUCTIONS AND COMMON SENSE !.



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IMPORTANT SAFETY INSTRUCTIONS

WARNING: This powerful cutting machine is capable of amputating hands and feet and can throw objects that can cause injury and damage! Failure to observe the following SAFETY instructions could result in serious injury or death. Carefully read this manual and question your dealer if something is not clear. Should the dealer be unable to answer to your satisfaction, write or call the Customer Service Department at SNAPPER, McDonough, Georgia, 30253 (Phone 404-954-2500).

PROTECTION FOR CHILDREN

1. DO NOT allow children in yard when machine is operated (even with the blade OFF).
2. DO NOT allow children to ride on machine or on attachments (even with the blade OFF).
3. DO NOT allow pre-teenage children to operate machine.
4. Only responsible teenagers with mature judgement shall be allowed to operate machine and only under close supervision.

PROTECTION AGAINST TIPOVERS

1. DO NOT operate machine on slopes exceeding 15 degrees (27% grade).
2. On slopes above 10 degrees (18% grade), exercise extreme CAUTION. Turn blade OFF when traveling uphill, also reduce speed and avoid sharp turns.
3. Avoid uphill starts. If machine is stopped going uphill, turn blade OFF and back slowly down the slope.
4. DO NOT mow under any condition where traction or stability is doubtful without first test driving over the terrain with blade OFF.
5. Stay alert for holes and other hidden hazards. Keep away from ditches, washouts, culverts, fences and protruding objects.
6. DO NOT mow back and forth across face of slopes.
7. KEEP A SAFE DISTANCE (at least three feet) away from edge of ditches and other drop offs.

OTHER IMPORTANT PRECAUTIONS

1. Read and follow operator's manuals and instructions furnished with attachments.
2. Only mature, responsible persons shall operate the machine.
3. Mount and dismount the machine from left side.
4. Wear appropriate protective clothing when mowing, such as, long pants and substantial footwear, not barefoot or with open sandals.
5. Practice operation of machine with blade OFF to learn controls and develop skill.
6. Persons under the influence of alcohol or drugs must NOT operate machine.
7. Know how to STOP blade and engine quickly in preparation for emergencies.
8. Keep people and pets a safe distance from machine.
9. Shields, deflectors, switches, blade controls and other safety devices must be in proper position and functional.

OTHER IMPORTANT PRECAUTIONS

10. Clear area to be worked of wire, rocks and other objects that could cause injury if thrown by blade.
11. STOP blade, STOP engine and remove key when leaving machine.
12. DO NOT operate machine unless properly seated with feet on foot rests or pedal.
13. Keep hands and feet away from rotating blade underneath deck. Never place foot on ground while blade is ON or when machine is in motion.
14. Turn blade OFF, STOP engine and wait for blade to STOP before attempting to unclog grass or leaves to prevent loss of fingers or hand.
15. Blade must be switched OFF except when cutting grass. Set cutter in highest position when mowing over rough ground.
16. Deflector or grass catcher must be in position. Never point discharge at people, passing cars, windows or doors. Watch out for traffic when crossing or near roadways.
17. Operate in reverse only after careful observation of entire area behind the machine. DO NOT mow in reverse unless absolutely necessary.
18. Service machine and make adjustments only when engine is stopped.
19. Have machine serviced by an authorized SNAPPER dealer at least once a year and have the dealer install any new SAFETY devices.
20. Use only genuine SNAPPER replacement parts to assure that original standards are maintained.
21. Tighten all nuts, bolts and screws frequently, then check, adjust, repair or replace brakes as needed.
22. Lubricate machine at intervals specified in manual to prevent controls from binding.
23. Mow only in daylight or with good artificial light.
24. Handle gasoline with care! Never remove cap while engine is running. Fill tank outdoors only with engine STOPPED and cool. Clean spilled gasoline from machine. Store gasoline in approved container, out of the reach of children, in well ventilated, unoccupied building.
25. DO NOT change engine governor speed settings or overspeed engine.
26. Check grass catcher components frequently for signs of wear or deterioration and replace as needed to prevent injury from items going through weak or worn spots.
27. Exercise CAUTION when pulling loads. Limit loads to those you can safely control and attach loads to hitch plate as specified with SNAPPER attachment instructions.

FAMILIARIZATION

SERIAL & MODEL NUMBER LOCATION

The serial and model number of the SNAPPER Series B Lawn Tractor are located on the rear face of the tractor frame as shown in Figure 1. Record these numbers in the space provided. They will be useful in ordering parts or accessories for the tractor.

MODEL NUMBER
SERIAL NUMBER

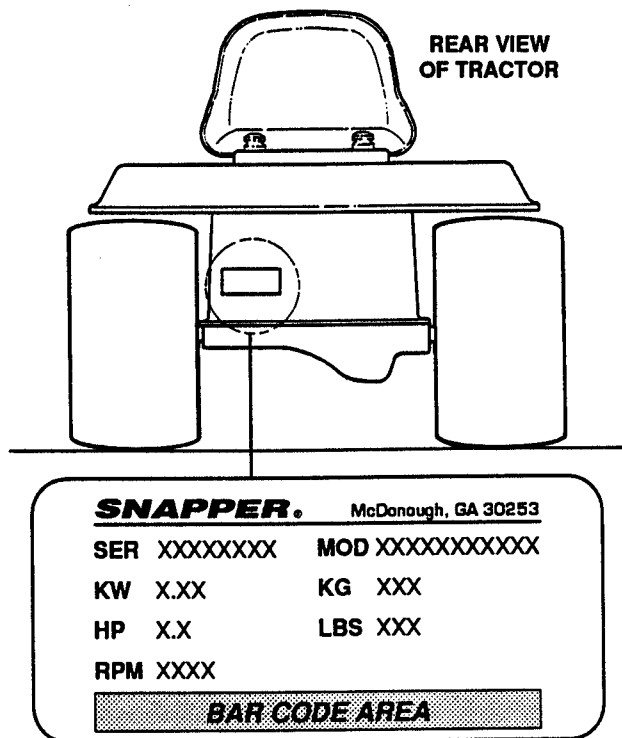


FIGURE 1

CONTROLS

All operators should be acquainted with the operator's controls before attempting start-up or operation of the Series B Lawn Tractor. See Figure 2.

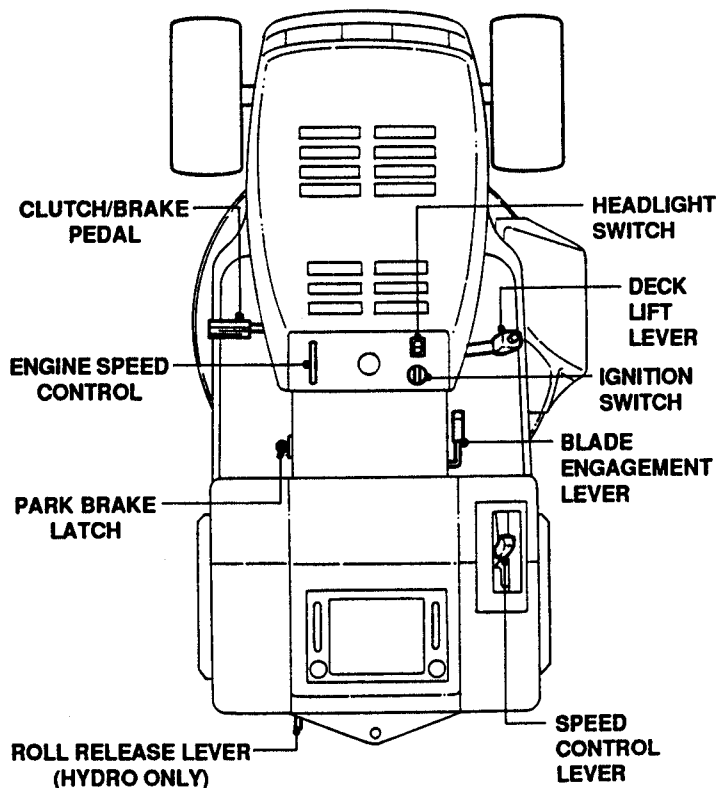


FIGURE 2

FAMILIARIZATION

COMPONENTS

The nomenclature drawings, Figures 2 & 3, illustrate the essential components of the SNAPPER Series B Lawn Tractor. It is recommended that all operators of this equipment become thoroughly familiar with the components and their operation *BEFORE OPERATING*. Specific details involving the engine are found in the separate Engine Owners' Manual. Study the Important Safety Instructions, this Operators' Manual and Engine Owners' Manual before operating this machine. Keep these manuals available for future reference.

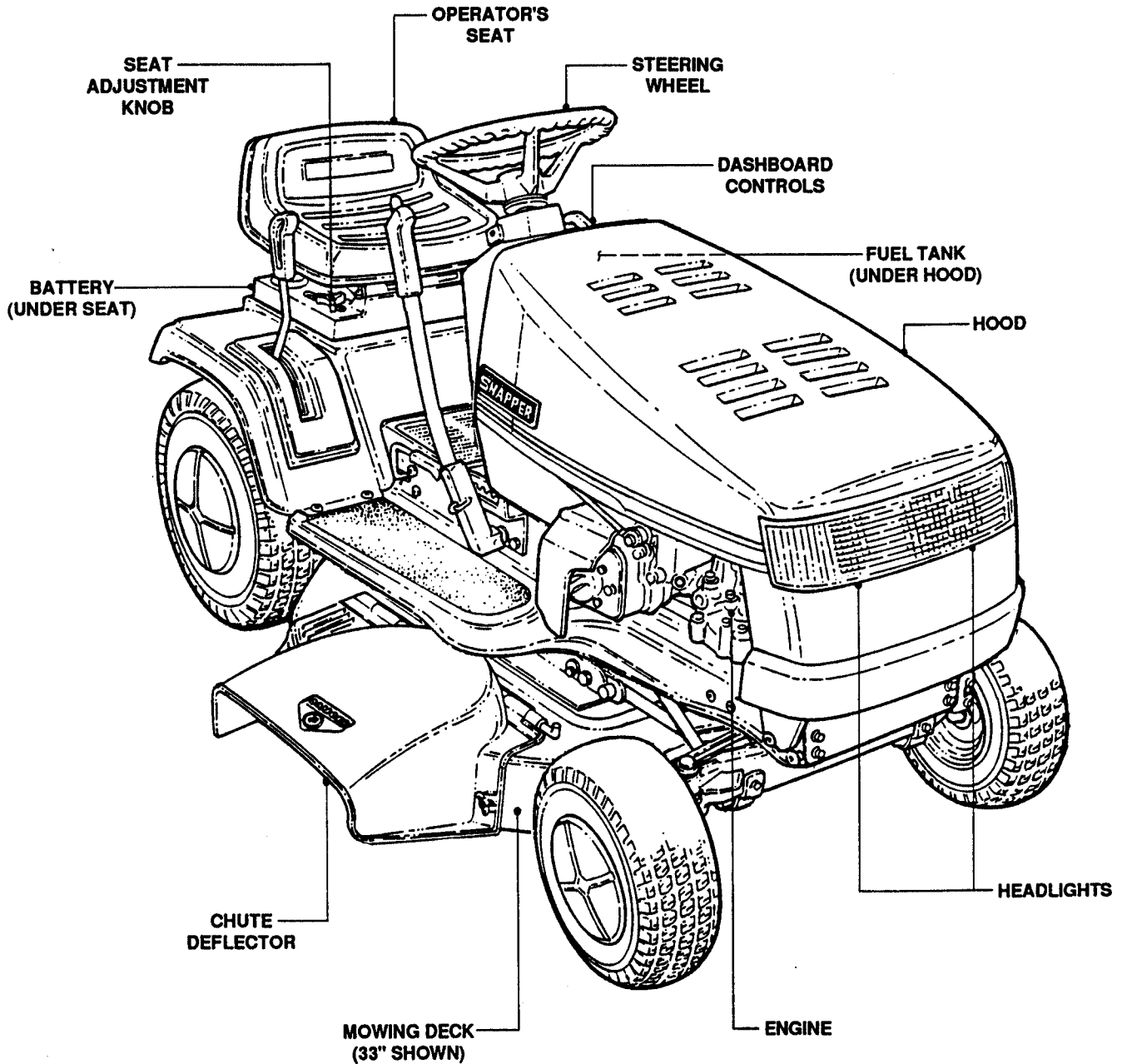


FIGURE 3

OPERATING INSTRUCTIONS

PRE-START CHECKLIST

Make the following checks and perform service as required before each start-up.

Check tires and add air as needed to bring pressure to 12psi in front tires and 10 psi in rear tires. If guards are missing or damaged, Replace **BEFORE** using mower.

Check guards, deflectors and covers to make sure all are in place and securely tightened. If guards are missing or damaged, replace before operating mower.

Check engine oil. Add oil as needed to bring up to, but not over, the full mark. Refer to the engine owner's manual for oil specifications.

Check operator's seat adjustment. Adjust as necessary.

Check blade engagement lever to insure it operates properly. The blade engagement lever must be moved manually from "ON" to "OFF" to stop blade.

Clean exterior surfaces of cutting deck, engine and tractor from any accumulation of grass clippings and debris. Keep engine air intake screens and cooling fins clean at all times.

With engine "OFF" move the tractor outside and add fuel to the fuel tank. Securely tighten fuel cap after refueling. See Figure 4. Refer to engine owner's manual for fuel specifications.

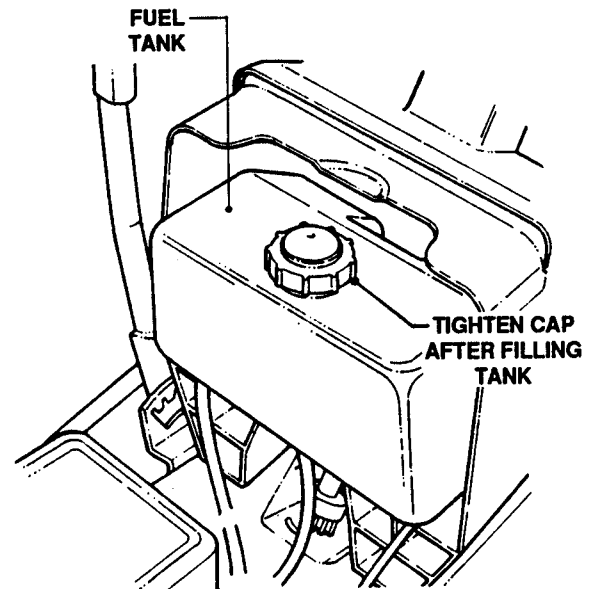


FIGURE 4

ADJUSTING OPERATOR'S SEAT

FRONT TO REAR ADJUSTMENT

With engine "OFF", raise operator's seat and loosen the two adjusting knobs on the seat support. See Figure 5.

Lower the seat.

Sit in the operator's seat and slide the seat forward or backward until the clutch/brake pedal can be fully depressed comfortably.

Raise seat and tighten the adjusting knobs to secure seat in position.

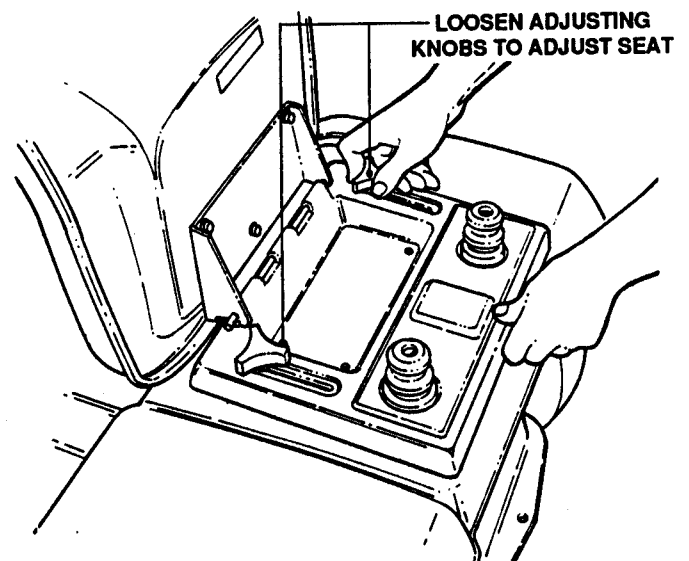


FIGURE 5

OPERATING INSTRUCTIONS

STARTING & STOPPING ENGINE

STARTING ENGINE

Take a comfortable position in seat of riding mower, look around to make sure that the area you are going to mow is clear of people, children and pets. Take note of any stationary obstacles!

NOTE:

The interlock system will prevent the engine from starting if the blade engagement lever is in the "ON" (up) position. If the interlock system ever fails to work, **DO NOT OPERATE** the tractor until the interlock has been repaired.

Push blade engagement lever down to the "OFF" position. See Figure 6.

Depress the clutch/brake pedal fully. See Figure 7.

NOTE:

The seat interlock will shut off the engine if the operator gets off the seat without setting the parking brake lever or if the blade is running. If the interlock ever fails to work, **DO NOT OPERATE** the tractor until the interlock has been repaired.

Choke engine for cold starting by moving engine speed control to "CHOKE" position. Little or no choking will be needed when restarting a warm engine. See Figure 8.

Insert key in switch.

Turn key to "START" position to crank engine and hold until engine starts, then release key.

NOTE:

DO NOT crank engine for more than five seconds at a time. This will help prevent the starter from overheating and/or running down the battery. If cranking time is more than five seconds, locate and correct cause of starting problem.

After engine starts, release key, move the engine speed control to the "FAST" position and allow engine to warm up before proceeding. See Figure 8.

STOPPING ENGINE

Turn key to "STOP". See Figure 8.

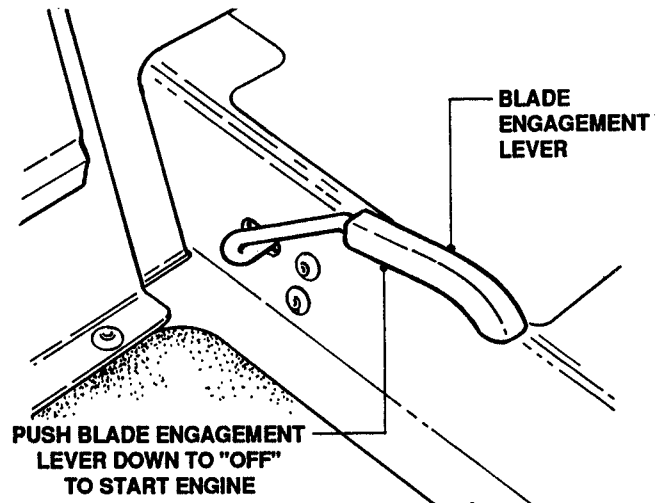


FIGURE 6

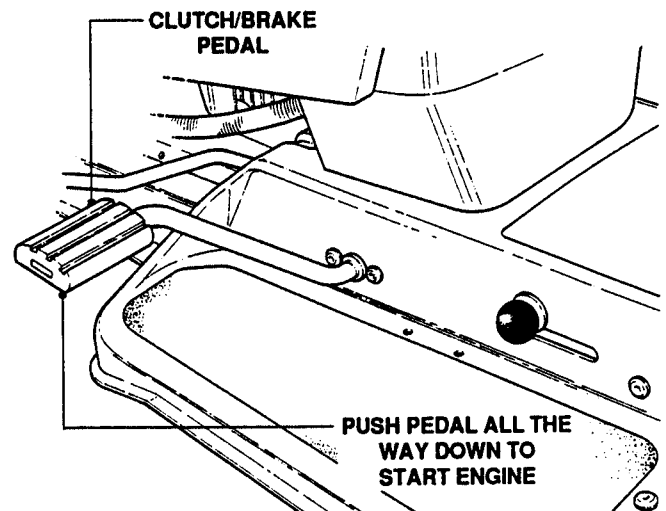


FIGURE 7

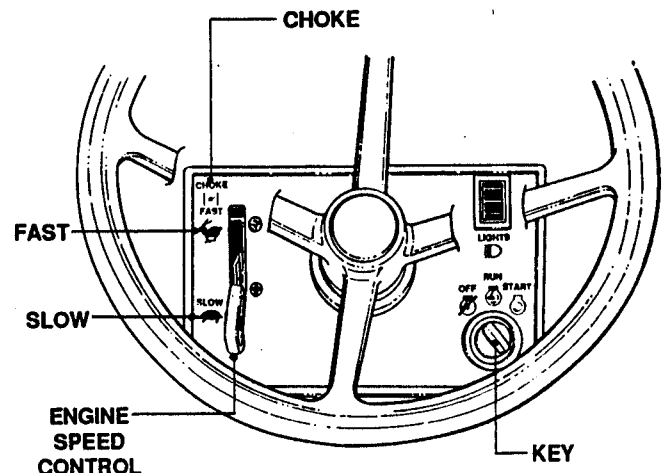


FIGURE 8

OPERATING INSTRUCTIONS

STARTING & STOPPING WHEEL DRIVE

STARTING WHEEL DRIVE OF HYDRO MODELS

Shift speed control lever to neutral.

Start engine.

Release brake pedal.

Slowly shift speed control lever forward for forward motion or to the rear for reverse motion. See Figure 9.

STOPPING WHEEL DRIVE

Fully depress clutch/brake pedal to stop wheel drive. See Figure 10.

NOTE:

When the tractor is moving forward and the clutch/brake pedal is pushed all the way down, the speed control handle will automatically return to approximately 1/3 of full forward speed. Move handle to desired position after releasing brake pedal.

STARTING WHEEL DRIVE OF GEAR MODELS

Shift speed control lever to neutral.

Start engine.

Fully depress clutch/brake pedal.

Move speed control handle forward to desired forward speed or backward to reverse. See Figure 11.

Slowly release clutch/brake pedal to begin motion.

NOTE:

The clutch/brake pedal must be fully depressed when changing speed.

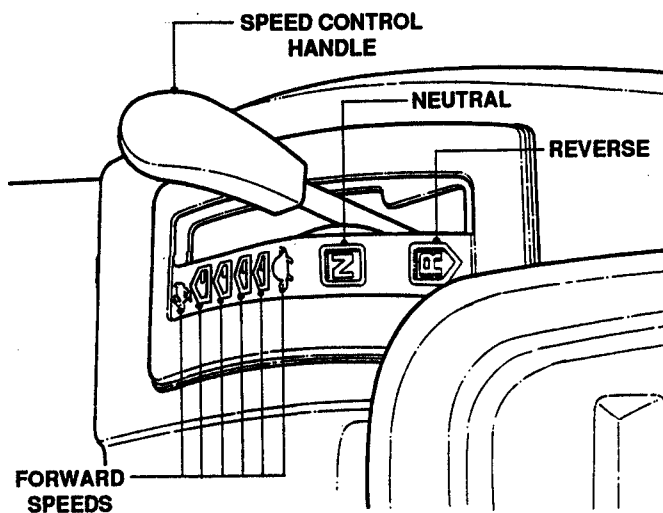


FIGURE 9

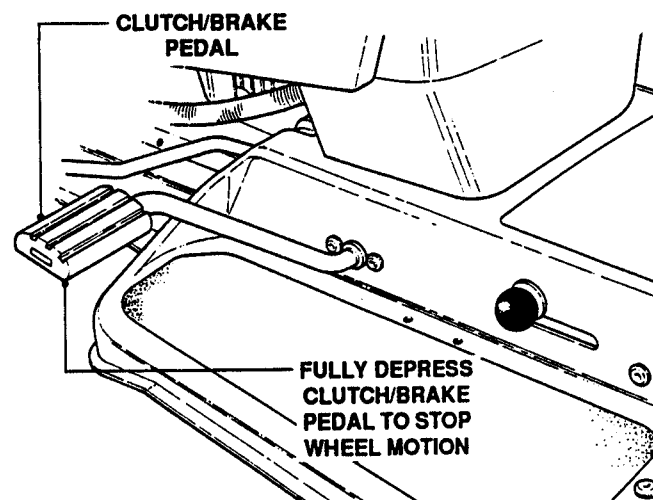


FIGURE 10

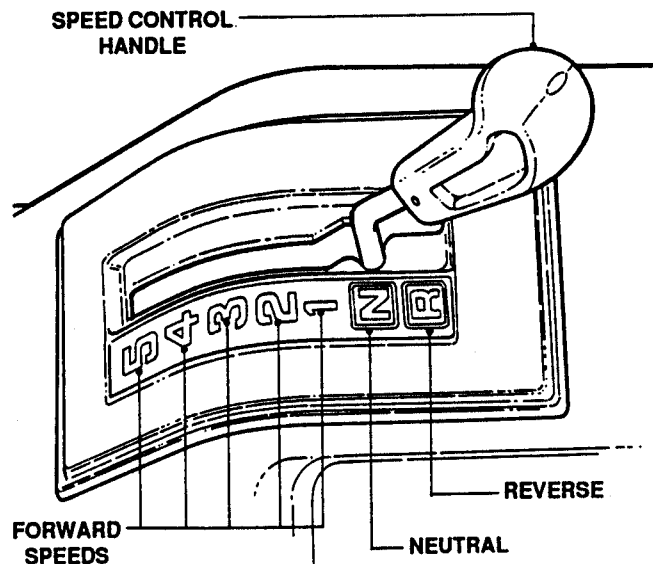


FIGURE 11

OPERATING INSTRUCTIONS

STARTING & STOPPING MOWER BLADE

STARTING MOWER BLADE

Start engine.

Raise blade engagement lever to "ON". See Figure 12.

STOPPING MOWER BLADE

Move blade engagement lever to "OFF". See Figure 12.

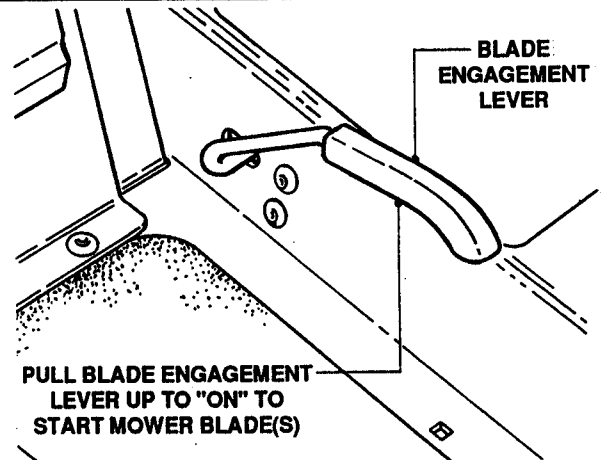


FIGURE 12

SETTING & RELEASING PARK BRAKE

SETTING PARK BRAKE

Fully depress clutch/brake pedal.

Move park brake lever up into slot. See Figure 13.

Release clutch/brake pedal.

RELEASING PARK BRAKE

Fully depress clutch/brake pedal. The park brake lever will release automatically.

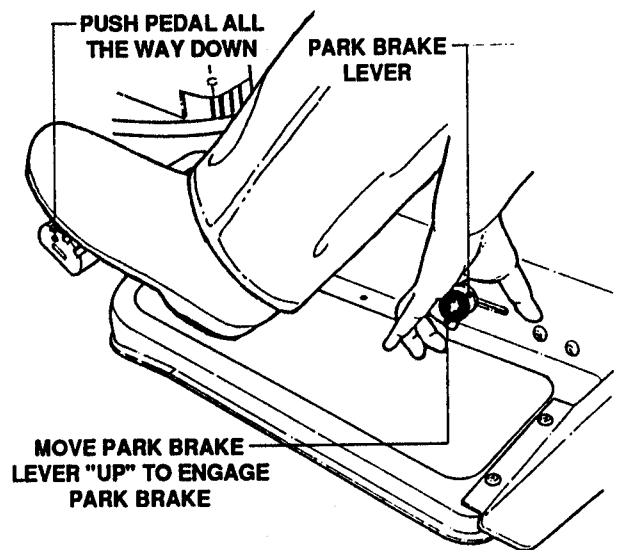


FIGURE 13

ROLLING TRACTOR WITH ENGINE OFF

ROLLING HYDRO MODELS

With engine "OFF", move to rear of tractor.

Move the roll release control to the right and down. This disengages the hydro transmission. See Figure 14.

Move tractor to desired location.

Move roll release control up and to the left to engage hydro transmission

Set park brake.

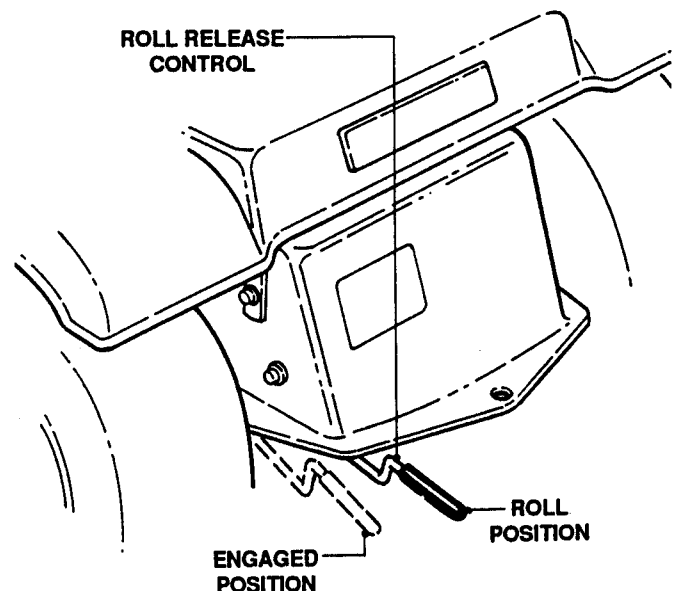


FIGURE 14

NOTE:

The transmission will not propel the tractor if it is left in the "ROLL" position.

OPERATING INSTRUCTIONS

ROLLING GEAR DRIVE MODELS

With engine 'OFF', fully depress clutch/brake pedal.

Place speed control lever in the neutral (N) position. See Figure 15.

Release clutch/brake pedal and move tractor to desired location.

Set park brake and place speed control lever into a forward speed.

GEAR DRIVE MODEL SHOWN

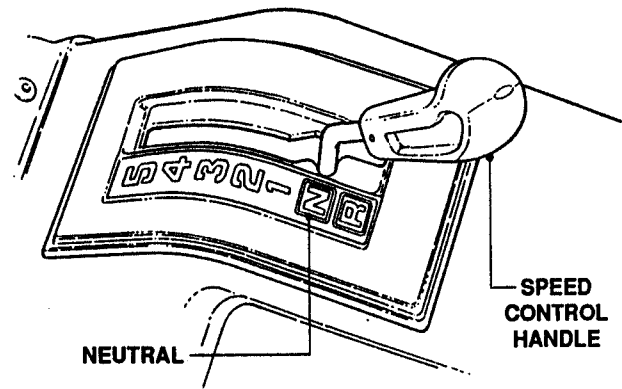


FIGURE 15

RAISING CHUTE DEFLECTOR

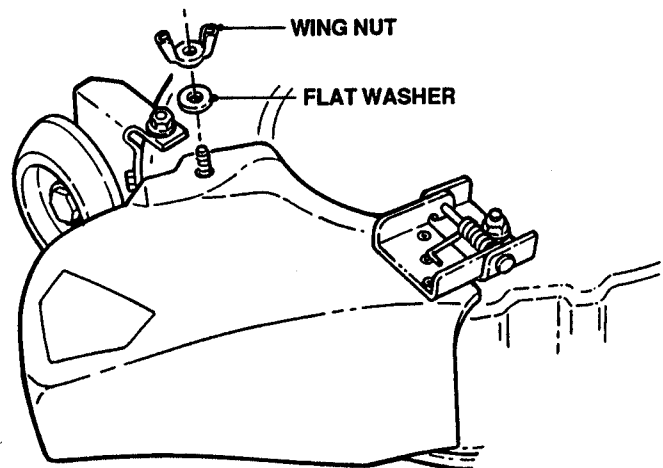
RAISING CHUTE DEFLECTOR for CLEARANCE THROUGH GATES or TRANSPORTS

Remove wing nuts and flat washers, securing chute deflector to deck. See Figure 16.

Raise chute deflector and reinstall flat washers and wing nuts onto studs to prevent loss.

Transport tractor to desired location.

38" DECK SHOWN



CHUTE DEFLECTOR MUST BE IN THE "DOWN" POSITION BEFORE OPERATING MOWER

FIGURE 16



WARNING



Never attempt to operate mower without chute deflector secured in the down position.

ADJUSTING CUTTING HEIGHT

ADJUST CUTTING HEIGHT for all DECKS

Depress lock button on deck lift lever. See Figure 17.

Raise or lower deck to any of six positions as desired.

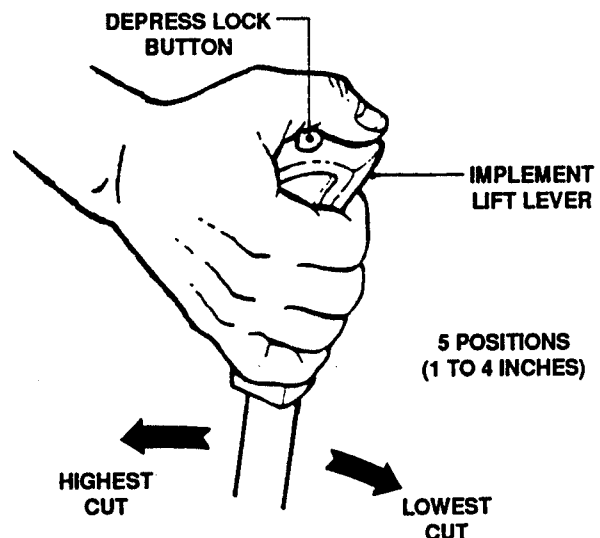


FIGURE 17

OPERATING INSTRUCTIONS

TIPS ON MOWING

For best results, use the following tips when mowing.

When mowing, cut only 1/3 of grass height. Cutting grass deeper could be harmful to your lawn.

If cutting extremely tall grass, make one cutting with the deck in its highest cutting position, then lower deck to desired position and a second cut.

Mow when lawn is dry.

Mow often. Shorter grass clippings decompose quicker.

Keep mower blades sharp. A dull blade tears and shreds grass instead of cutting. Your SNAPPER dealer can sharpen blades as required.

Alternate mowing pattern to reduce the possibility of grass matting.

Mow with engine speed control in the "FAST" position and speed control handle in a "SLOW" position.

Clean deck, removing all grass clippings and debris from the top and underside of deck after each use.

AVAILABLE ACCESSORIES

The SNAPPER Series B LAWN TRACTOR can be equipped with a variety of accessories that increase its versatility. The accessories available for each model are listed in the chart below. Contact an authorized SNAPPER dealer for ordering any of the accessories desired.

SERIES B LAWN TRACTOR MODEL		
AVAILABLE ACCESSORIES	BH125G38BB	BH140H38BBV
Thatcherizer	6-1247	6-1247
Snow Blower*	NA	6-1352
Dozer Blade Support Kit	NA	6-1370
2-Stage Snow Thrower**	NA	8-0560
Snow Thrower Support Kit	NA	6-1371
Weight Kit	NA	6-1245
Tire Chains	NA	6-1399
Ninja Kit	6-1255	6-1257
Single Bag Catcher***	6-0943	6-1249
Dump Cart	6-0697	6-0697
Twin Bag Catcher***	6-0946	6-1248
Adapter Mounting Kit	6-1334	6-1334
Bag-N-Wagon	6-0947	NA
Bag-n-Wagon Hitch Kit	6-1308	NA

* Requires Dozer Blade Support Kit

** Requires Snow Thrower Support Kit

*** Requires Adaptor Mounting Kit

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION	REF.
STARTER WILL NOT CRANK ENGINE	1. Battery dead.	1. Service battery.	Pg. 20-21
	2. Blown fuse.	2. Replace fuse.	Pg. 36
	3. Electrical connections loose or corroded.	3. Clean and check connections for good contact.	Pg. 36
	4. Defective ignition switch.	4. Contact authorized SNAPPER dealer.	Yellow Pages
ENGINE WILL NOT START	1. Blade engagement lever in the "ON" position.	1. Move blade engagement lever to "OFF"	Pg. 9
	2. Park brake not set.	2. Set park brake.	Pg. 9
	3. Fuel tank empty.	3. Fill fuel tank with fresh fuel.	Pg. 6
	4. Engine needs choking.	4. Move engine speed control to "CHOKE".	Pg. 7
	5. Spark plug wire disconnected.	5. Place spark plug wire onto spark plug.	—
	6. Battery weak or dead.	6. Service battery.	Pg. 20-21
	7. Faulty interlock switch.	7. Contact authorized SNAPPER dealer.	N/A
ENGINE STALLS AFTER RUNNING	1. Operator not in seat.	1. Sit in operator's seat.	Pg. 7
	2. Engine speed control in the "CHOKE" position.	2. Move engine speed control to "FAST".	Pg. 7
	3. Fuel tank empty.	3. Refill fuel tank with fresh fuel.	Pg. 6
	4. Engine air pre-cleaner and or air cleaner dirty.	4. Clean or replace filters.	Pg. 19
	5. Spark plug defective or gap set improperly.	5. Service spark plug.	Engine Man.
	6. Fuel filter stopped up.	6. Replace fuel filter.	Pg. 19
	7. Water, debris or stale fuel in fuel system.	7. Drain and clean fuel system.	Engine Man.
ENGINE LOSES POWER	1. Excessive load on engine.	1. Lessen load.	—
	2. Engine air pre-cleaner or air cleaner dirty.	2. Clean or replace filters.	Pg. 19
	3. Engine oil level low.	3. Fill with engine oil to proper level.	Engine Man.
	4. Engine cooling fins and air screens excessively dirty.	4. Clean free of all debris.	Engine Man.
	5. Spark plug faulty.	5. Service spark plug.	Engine Man.
	6. Water, debris or stale fuel in fuel system.	6. Drain and clean fuel system.	Engine Man.
ENGINE BACKFIRES WHEN IGNITION KEY TURNED TO "STOP"	1. Engine speed control set too "FAST".	1. Set engine speed control to "SLOW" and allow engine to idle. Then, turn key to "OFF".	Pg. 7
EXCESSIVE VIBRATION	1. Damaged or bent mower blades.	1. Service mower blade(s).	Pg. 26-28
	2. Loose blade components.	2. Service and tighten loose parts.	Pg. 26-28
	3. Loose or missing air lift (if equipped).	3. Replace air lifts. Tighten to proper torque.	—
TRACTOR WILL NOT MOVE OR LOSS OF TRACTION	1. Speed control handle in the neutral "N" position.	1. Place speed control in desired speed.	Pg. 8
	2. Roll release control in "ROLL" position. (Hydro Models Only)	2. Move roll release control to the engaged position.	Pg. 9
	3. Low transmission oil level. (Hydro models only)	3. Bring oil to proper level.	Pg. 15
	4. Shifter out of adjustment.	4. Adjust shifter.	Pg. 34
	5. Traction drive belt requires adjustment.	5. Adjust traction drive belt.	Pg. 29-30
	6. Traction drive belt requires replacement.	6. Replace traction drive belt.	Pg. 21-24

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION	REF.
BLADE(S) NOT CUTTING	1. Blade engagement lever in the "OFF" position.	1. Move lever to the "ON" position.	Pg. 9
	2. Blade belt requires adjustment.	2. Adjust mower belt.	Pg. 30-31
	3. Blade belt requires replacement.	3. Replace mower belt.	Pg. 25-26
CUTTING GRASS IMPROPERLY	1. Uneven tire pressure.	1. Bring to proper pressure.	Pg. 6
	2. Cutting height too low or high.	2. Adjust cutting height.	Pg. 10
	3. Engine speed too slow.	3. Move engine speed control to "FAST".	Pg. 11
	4. Forward speed too fast.	4. Move speed control to a slower speed.	Pg. 11
	5. Deck side to side level requires adjustment.	5. Adjust side to side level.	Pg. 31-32
	6. Deck front to rear level requires adjustment.	6. Adjust front to rear level.	Pg. 32-33
	7. Blade belt requires adjustment.	7. Adjust blade belt tension.	Pg. 30-31
	8. Blade belt requires replacement.	8. Replace blade belt.	Pg. 25-26
POOR GRASS DISCHARGE	1. Engine speed too slow.	1. Move engine speed control to "FAST".	Pg. 11
	2. Forward speed too fast.	2. Move speed control to a slower speed.	Pg. 11
	3. Grass is wet.	3. Mow when grass is dry.	Pg. 11
	4. Excessively worn or damaged blade(s).	4. Service mower blade(s).	Pg. 26-28
	5. Build-up of grass clippings and debris under deck.	5. Clean deck.	Pg. 6 & 11
	6. Improper blade(s) installed on deck.	6. Install proper SNAPPER blades.	Pg. 14
	7. Blade(s) installed improperly on deck.	7. Install blades properly.	Pg. 26-27
BATTERY WILL NOT CHARGE	1. Poor cable connections.	1. Clean cables and battery terminals.	Pg. 36
	2. Bad battery cell(s).	2. Replace with new battery.	Pg. 14 & 20
	3. Faulty alternator.	3. Contact engine manufacturer's dealer.	Yellow Pages
OIL LEAKING FROM TRANSMISSION	1. Loose or missing oil filler cap. (Hydro Models Only)	1. Check oil level and replace oil cap.	Pg. 15
	2. Leaking axle seals.	2. Contact authorized SNAPPER dealer.	Yellow Pages
	3. Leaking at casing seal.	3. Contact authorized SNAPPER dealer.	Yellow Pages

MAINTENANCE INSTRUCTIONS

SERVICE SCHEDULE

ITEM	SERVICE PERFORMED	REF.	EACH USE	5 HOURS	25 HOURS	50 HOURS	100 HOURS	EACH SEASON
Engine Oil	Check Oil Level	Pg. 6	X					
	Initial Oil Change	Pg. 16		X				
	Periodic Oil Change	Pg. 16				X*		
Air Pre-Cleaner	Clean Sponge Element	Eng. Man.			X**			
Air Cleaner	Clean or Replace	Eng. Man.			X**			
Spark Plug	Replace	Eng. Man.					X	
Fuel Filter	Replace	Pg. 19					X	
Engine Cooling System	Clean Engine Shroud	Pg. 20					X**	
	Clean Cooling Fins	Eng. Man.					X**	
Battery	Check Electrolyte	Pg. 20-21			X			X
	Charge Battery	Pg. 21						X
Tires	Check Pressures	Pg. 6	X					X
Belts	Check for Wear and Tension	Pg. 21			X			X
Mower Blades	Check for Wear and Damage	Pg. 26/28	X					
Mower Deck	Check Debris Accumulation	Pg. 6	X		X			X
	Clean Outside & Underside	Pg. 6	X		X			X
Lubrication Points	Grease or Oil	Pg. 17-18			X			X
Hydrostatic Transmission Oil	Check Oil Level	Pg. 15						X

* Change oil every 25 hours when operating under heavy load or high temperatures.

** Clean more often under dusty conditions or when air debris is present.

MAINTENANCE PARTS

TRACTOR	DRIVE BELTS		MOWER BLADES		BATTERY
MODEL No.	Traction	Deck	Standard	NINJATM	(Cold Crank Amp)
LT125G38BB	2-8585	2-9641	2-4466	2-6597	6-0618 (160 CCA)
LT140H38BBV	2-9641	2-9641	2-4466	2-6597	6-0618 (160 CCA)

MAINTENANCE INSTRUCTIONS

HYDROSTATIC TRANSMISSION OIL

The hydrostatic transmission does not normally require maintenance, however, proper oil level should be verified after every season.

TO CHECK OIL LEVEL IN TRANSMISSION

Remove seat by removing seat adjustment knobs. See Figure 18.



Lay seat forward. Be careful not to pull seat switch wires from the switch.

Disconnect negative (black) battery wire from terminal first! See Figure 19.

Disconnect positive (red) battery wire from terminal last!

Remove battery and battery tray. Transmission is now accessible.

Clean any debris off of oil cap and top cover before removing fill cap. See Figure 20.

	CAUTION	
<i>MAKE SURE that fill cap and surrounding area are CLEAN before removing fill cap!</i>		

Visually check oil level.

Oil level should be approximately 3/4" ($\pm 1/4$ ") from top of case. If the level is lower than 3/4", add 10W 30 motor oil to bring the level up as required.

Replace fill cap.

Reinstall battery tray.

Reinstall battery. See Figure 19.

Reinstall and adjust seat. See Figure 18.

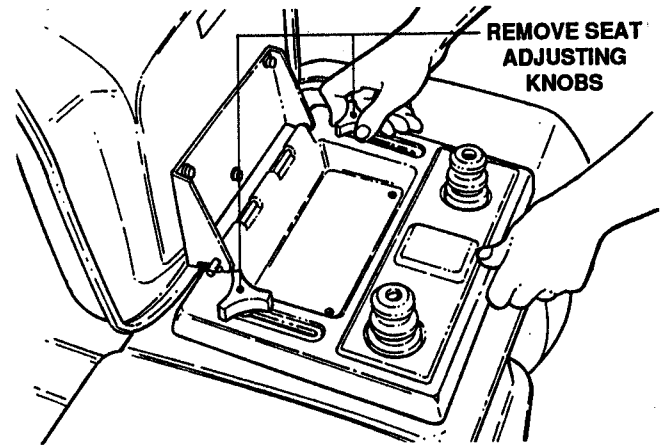


FIGURE 18

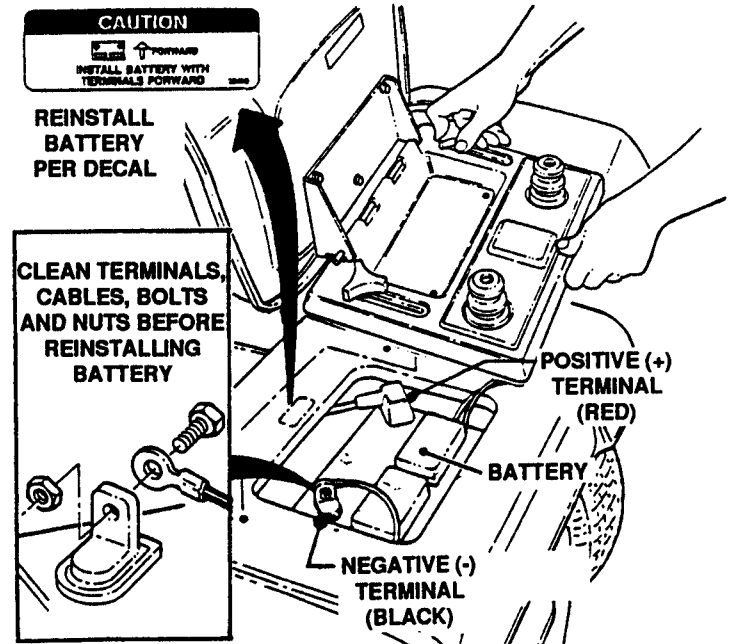


FIGURE 19

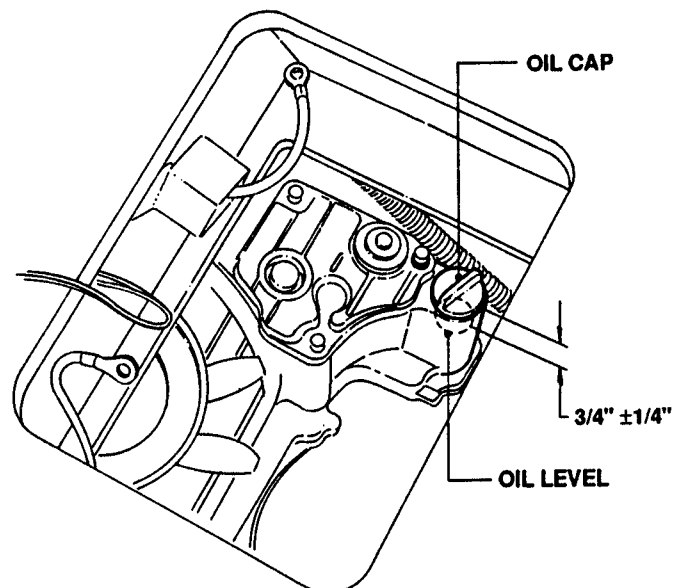


FIGURE 20

MAINTENANCE INSTRUCTIONS

CHANGING ENGINE OIL

GEAR DRIVE MODELS

These models are equipped with 12 & 12 1/2 hp engines which are furnished with extended oil drains. See Figure 21.

Raise tractor hood and tilt it forward.

Disconnect spark plug wire. Secure wire away from spark plug.

Put a brick or block of wood under deck wheel on opposite side of oil drain.

Loosen oil fill cap on engine.

Place a 2 quart capacity flat container beneath end of oil drain.

Remove oil plug.

Allow engine oil to drain completely.

After all oil has drained, replace oil plug and fill engine with new motor oil as specified in Engine Owner's Manual.

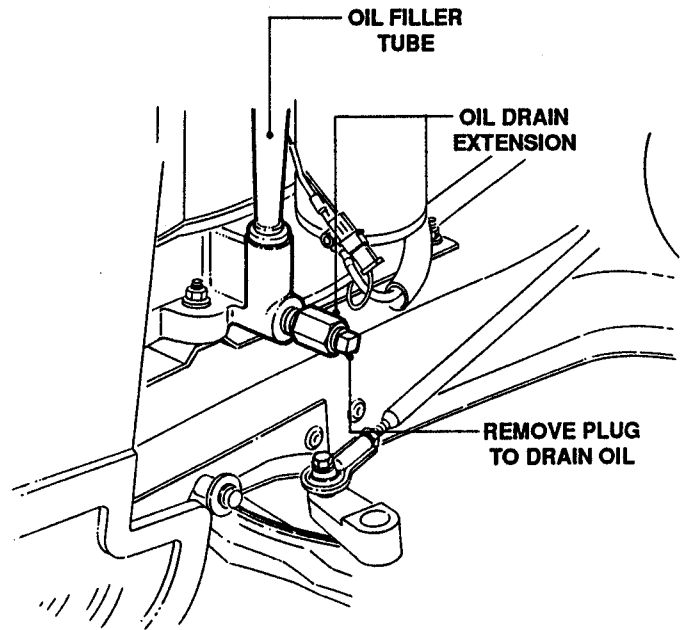


FIGURE 21

HYDRO DRIVE MODELS

These models are equipped with 14, 15 & 15 1/2 hp engines which are furnished with Fastex™ oil drains. See Figure 22.

Rotate drain body counterclockwise and pull out to open drain.

Drain oil into a 2 quart container placed beneath end of oil drain.

After all oil has drained, push drain body "IN" and rotate clockwise to close. Push drain cover over drain nipple.

Fill engine with new motor oil as specified in Engine Owner's Manual.

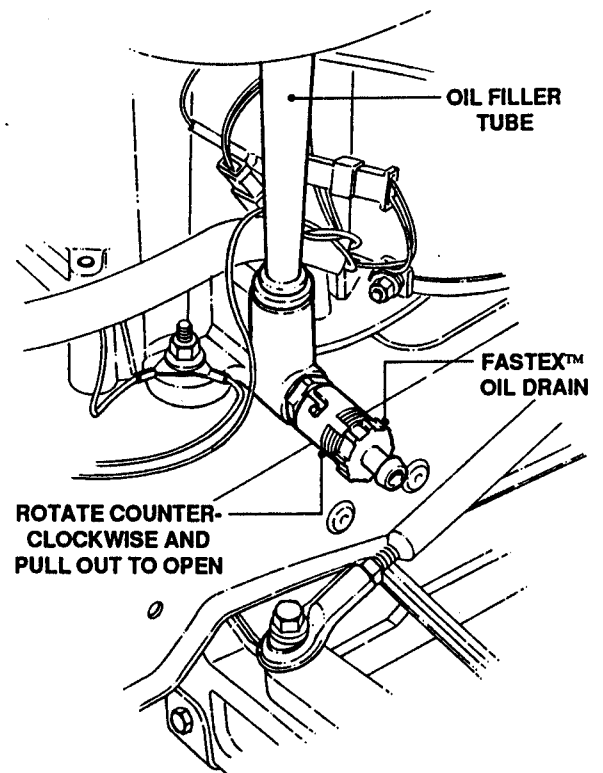


FIGURE 22

NOTE:

If the tractor's engine is equipped with an oil filter, change at every oil change. Contact engine manufacturer dealer for replacement filter for particular engine.

MAINTENANCE INSTRUCTIONS

LUBRICATION

The following lubrication points should be serviced after each 25 operating hours to insure optimum performance of the Series B Lawn Tractor.

FRONT WHEEL BEARINGS

Lubricate each front wheel bearing through the grease fitting on wheel hub. Using general purpose grease in a grease gun, add grease until grease purges from bearing. See Figure 23.

AXLE SPINDLES

Lubricate each axle spindle with 1 shot of general purpose grease. See Figure 23.

NOTE:

The R.H. spindle fitting faces forward and the L.H. spindle fitting faces to the rear.

CLUTCH//BRAKE PIVOT

The clutch/brake pivot is located on the L.H. underside of the tractor and is lubricated with one shot of general purpose grease. See Figure 24.

STEERING SECTOR GEAR

Lubricate with a light coat of 30 wt. motor oil. See Figure 25.

STEERING SHAFT

Lubricate steering shaft wear points with a light coat of 30 wt. motor oil.

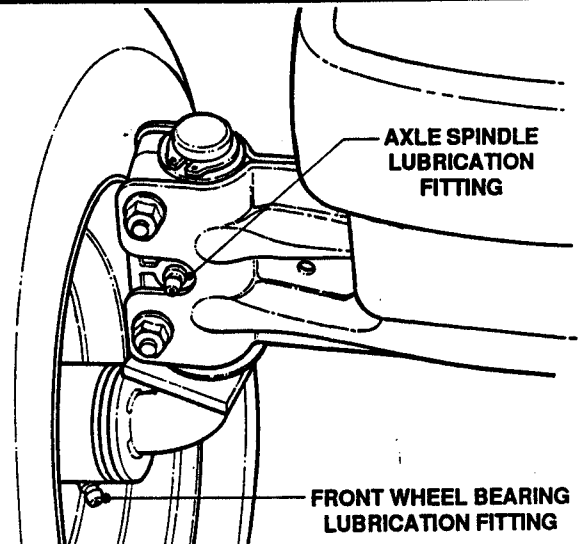


FIGURE 23

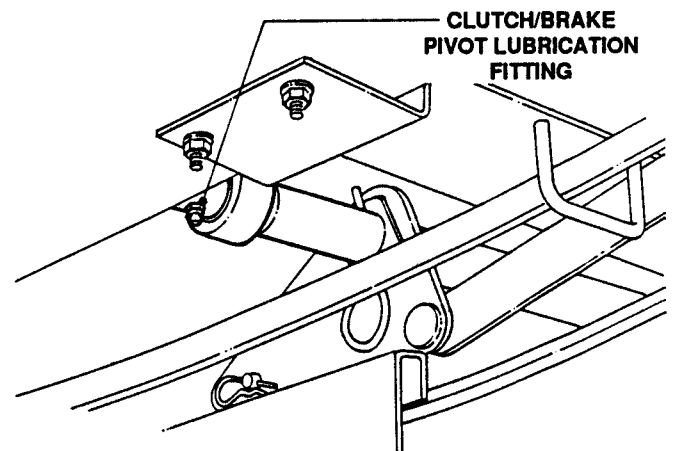


FIGURE 24

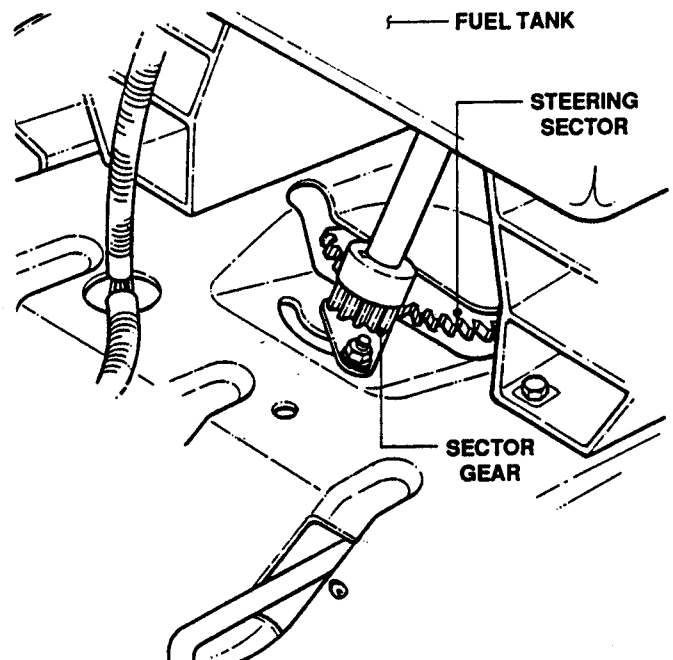


FIGURE 25

MAINTENANCE INSTRUCTIONS

LUBRICATION Continued

STEERING DRAG LINK

Lubricate both ends of steering drag link with a small amount of 30 wt. motor oil from an oil can. See Figure 26.

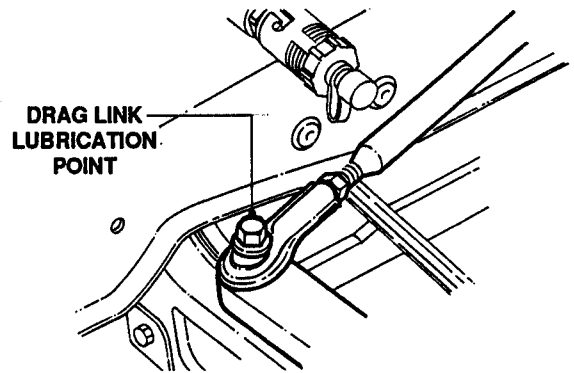


FIGURE 26

STEERING TIE ROD

Using an oil can, filled with 30wt. motor oil, lubricate both ends of steering tie rod. See Figure 27.

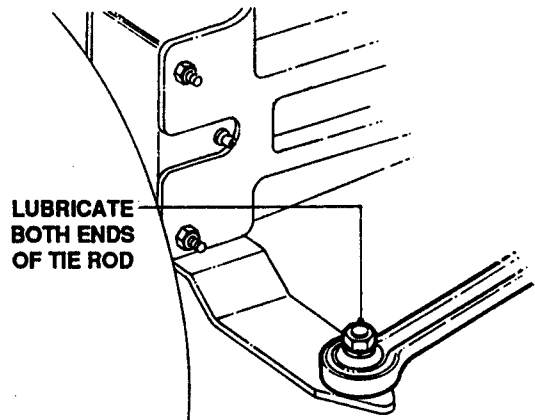


FIGURE 27

BLADE ENGAGEMENT MECHANISM

Using 30 wt. motor oil, lubricate the blade engagement mechanism pivot points, which are located on the R.H. underside of tractor. See Figure 28.

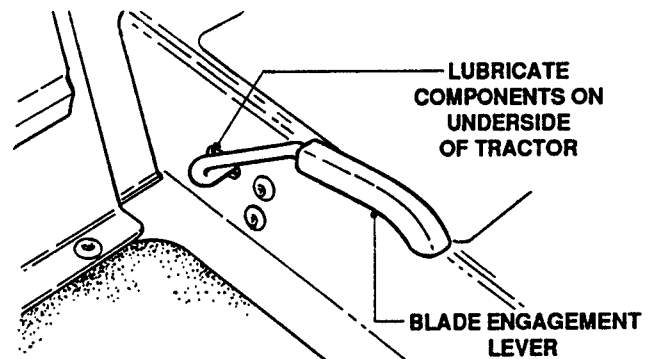


FIGURE 28

DECK LIFT MECHANISM

Lubricate all wear and pivot points of the deck lift mechanism with a thin coat of 30 wt. motor oil.

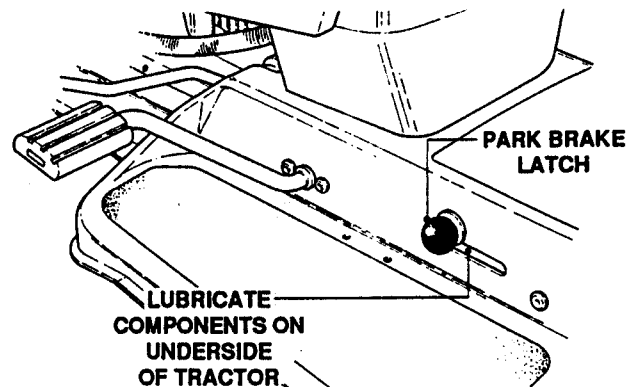


FIGURE 29

MAINTENANCE INSTRUCTIONS

TRACTOR SERVICE

The components listed should be serviced on a regular basis to insure that they are in top working condition. Refer to SERVICE SCHEDULE on Page 15 for recommended service intervals.

ENGINE AIR PRE-CLEANER

The engine air pre-cleaner should be removed and cleaned every 25 operating hours. See Figure 30. Refer to Engine Owner's Manual for specific cleaning instructions.

ENGINE AIR CLEANER

The engine air cleaner element should be removed and replaced every 25 operating hours. See Figure 30. Contact engine manufacturer's dealer for correct replacement element.

SPARK PLUG

Remove and replace engine spark plug after 100 operating hours. Refer to Engine Owner's Manual for correct replacement plug and gap specifications.

FUEL FILTER

The engine fuel filter should be replaced every 100 operating hours. Remove the fuel filter as follows:

NOTE:

It may be necessary to drain the fuel tank before removing fuel filter to prevent excessive spillage of gasoline.

Raise tractor hood.

Remove spark plug wire(s) and secure away from plug(s).

Locate fuel filter. Remove hose clamps and fuel hoses from both sides of fuel filter. See Figure 31.

Install new fuel filter part number 1-4359. See Figure 32.

Fill fuel tank with fresh gasoline. Refer to Engine Owner's Manual for fuel specifications.

Reconnect spark plug wire(s).

Lower tractor hood.

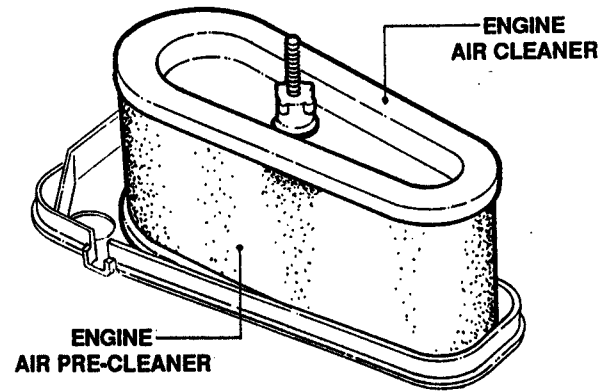


FIGURE 30

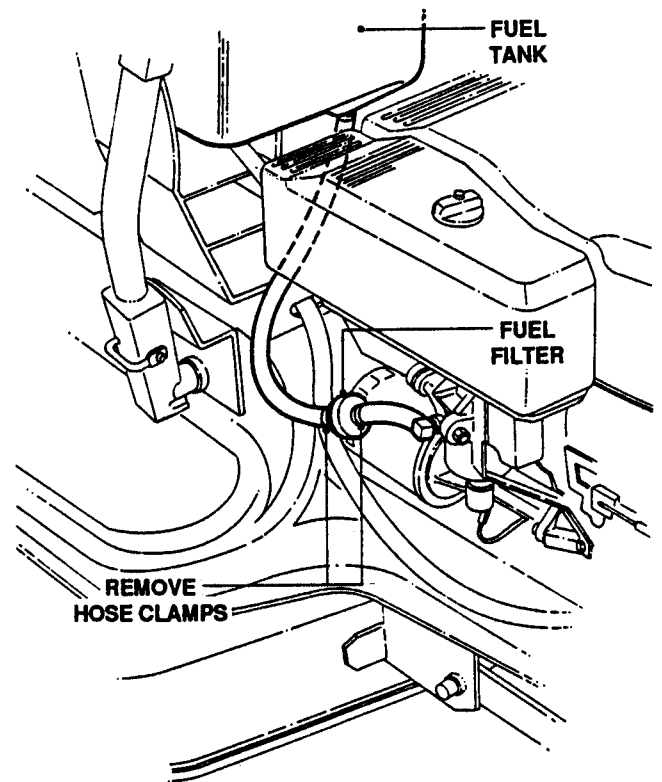


FIGURE 31

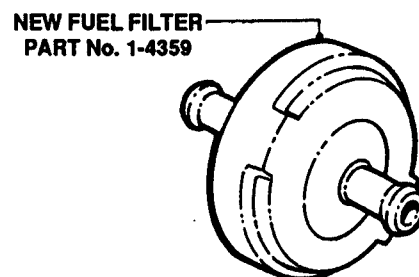


FIGURE 32

MAINTENANCE INSTRUCTIONS

TRACTOR SERVICE

ENGINE COOLING SYSTEM

The engine cooling system consists of an engine shroud and engine fins. These should be kept clean and free of debris as needed or clean at least every 100 operating hours.

BATTERY SERVICE

The battery should be serviced every 25 hours of operation.

Raise operator's seat.

Remove the two adjusting knobs.

Remove seat assembly and move forward. Use care not to disconnect wires from seat switch. See Figure 33.

Remove negative (-) cable first.

Remove positive (+) cable.

REMOVE ADJUSTING
KNOBS AND MOVE
SEAT FORWARD

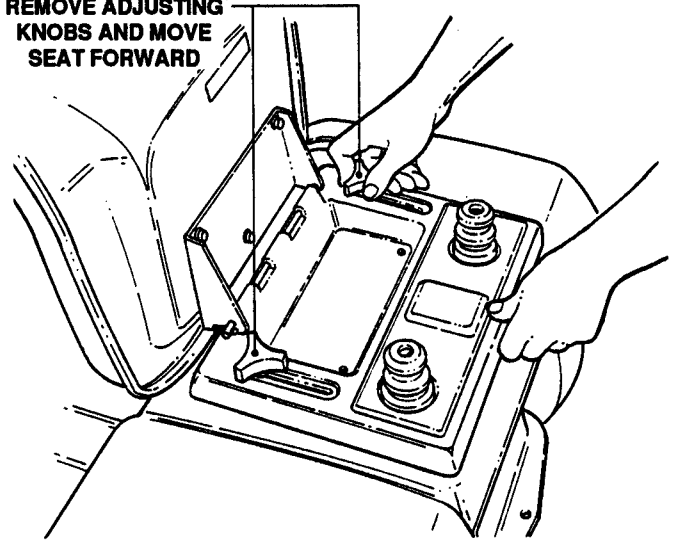


FIGURE 33

CHECKING BATTERY ELECTROLYTE

Carefully remove battery cell covers.

Visually check electrolyte level in each cell. Level should be $3/16$ " above cell plates, up to fill rings.

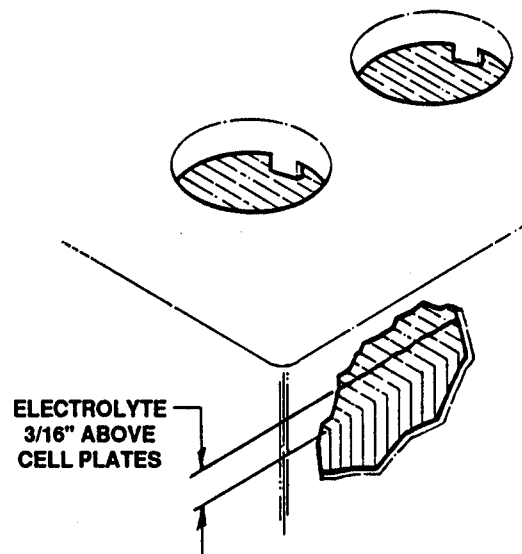


FIGURE 34

MAINTENANCE INSTRUCTIONS

BATTERY SERVICE

Using distilled water, fill cells as needed to 3/16" above cell plates.

Replace cell covers.

Charge battery if required.

Install positive(+) cable first.

Install negative(-) cable last.

Install seat assembly over battery and secure in position with adjusting knobs. Leave knobs loose.

Lower operator's seat and adjust to desired position.

Raise seat and tighten adjusting knobs.

BATTERY CHARGING

The engine is equipped with a flywheel alternator to charge the battery. If the tractor is not run regularly, connect the battery to a charger monthly to maintain the specific gravity at 1.250 or higher. If this reading falls below 1.175, the battery liquid may freeze when temperatures drop to around zero degrees F. To charge, connect per instructions furnished with charger. If time allows, slow charge at 1 amp for ten hours, or as an alternate, fast charge at 3 amps for four hours. Observe all precautions while charging.

BELT SERVICE

TRACTION DRIVE BELT

Check the traction drive belt for damage and wear after 25 operating hours. The traction drive belt is located on the underside of the tractor and spans from the engine pulley's top groove to the transmission pulley. See Figure 35.

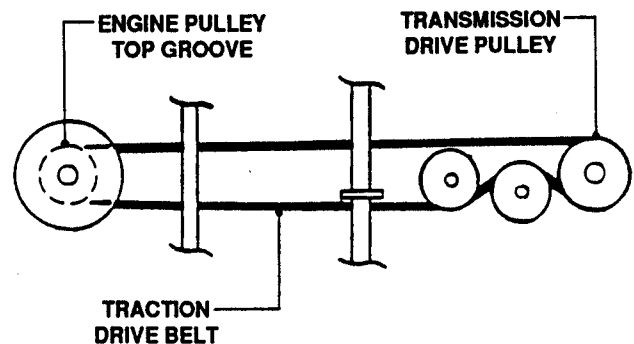


FIGURE 35

MAINTENANCE INSTRUCTIONS

BELT SERVICE Continued

Should the traction drive belt show signs of excessive wear or damage, replace.

MOWER DECK REMOVAL

Place tractor on a firm, level surface such as a driveway or garage floor and engage park brake.

Turn engine "OFF".

Raise hood and remove spark plug wire from spark plug.

Secure spark plug wire away from spark plug. See Figure 36.

Lower deck to lowest setting.

Disconnect deck lift rod from front lift arm. See Figure 37

Remove hair pins from front deck hanger rod. See Figure 38.

Turn wheels to the left.

Hold front of deck "UP" and slide front deck hanger rod to the right and out.

Lower front of deck to ground.

Remove hair pin and flat washer from rear deck hanger bracket on both sides of tractor. See Figure 39.

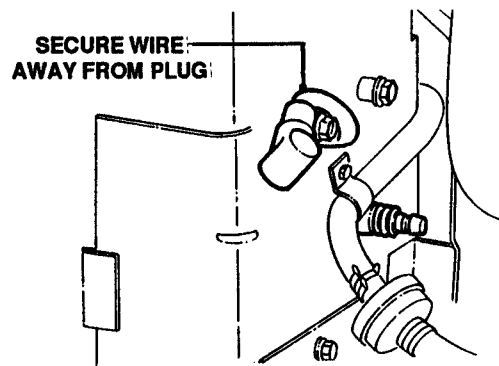


FIGURE 36

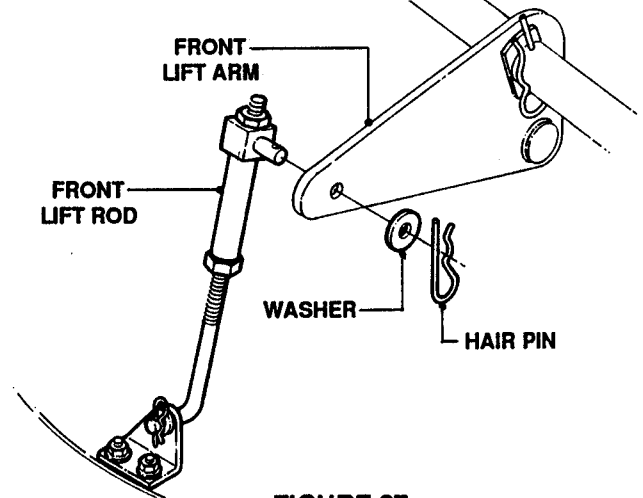


FIGURE 37

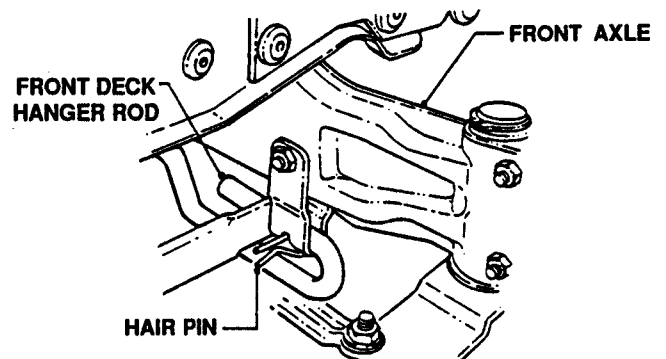


FIGURE 38

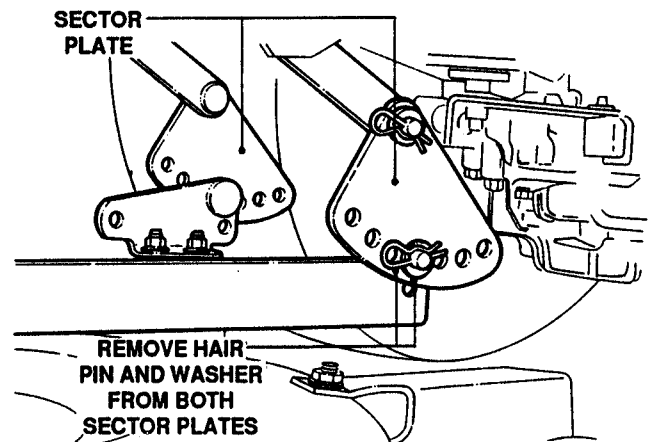


FIGURE 39

MAINTENANCE INSTRUCTIONS

BELT SERVICE Continued

Make note of hole used in sector plate.

Slide sector plates off of rear deck hanger brackets.

Slide deck forward.

Remove deck drive belt from engine pulley bottom groove. See Figure 40.

Slide deck back and disconnect spring from tension idler.

Pull deck from under tractor from R.H. side.

TRACTION DRIVE BELT REMOVAL

Remove two belt guide mounting bolts from each side of tractor frame. See Figure 41.

Slide belt guide assembly to the rear and remove.

Disconnect traction belt idler pulley spring from tractor frame. See Figure 42.

Loosen mounting nuts on traction drive belt tension and stationary idlers just enough to allow belt to clear belt guides. See Figure 43.

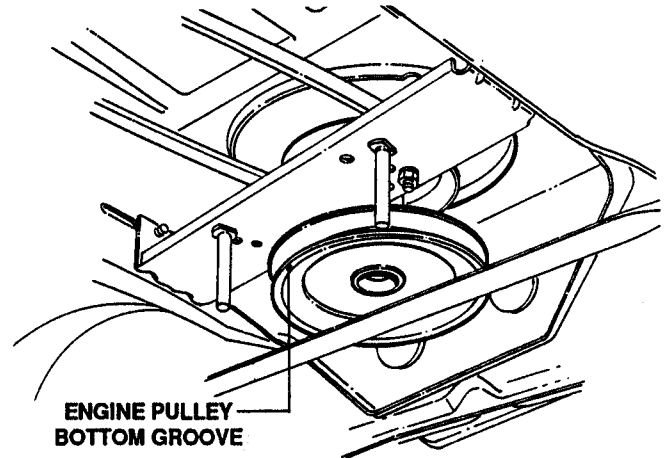


FIGURE 40

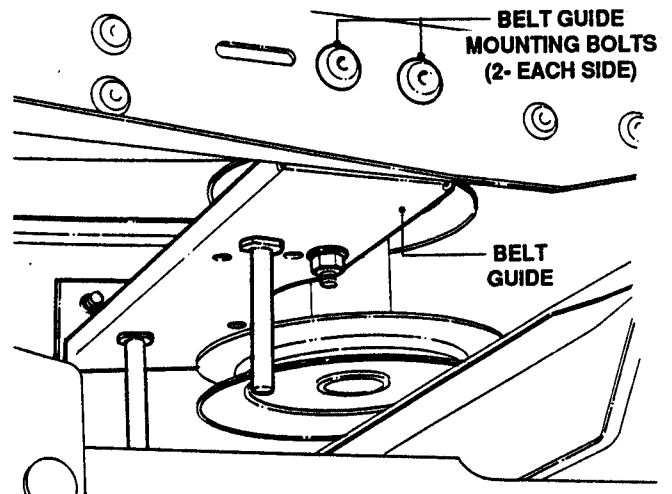


FIGURE 41

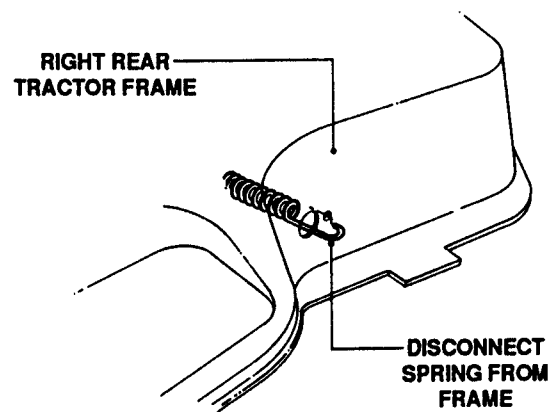


FIGURE 42

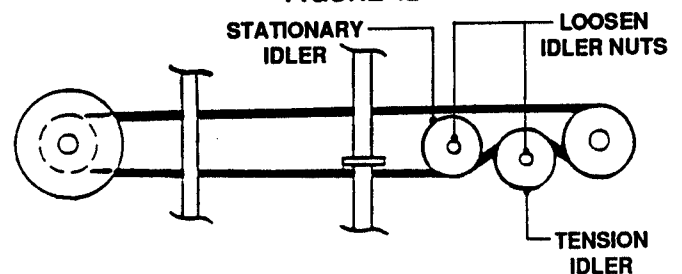


FIGURE 43

MAINTENANCE INSTRUCTIONS

BELT SERVICE Continued

Remove traction drive belt from engine pulley top groove.
See Figure 44.

Remove belt from center belt guide.

Pull belt until it can be removed from transmission pulley.

TRACTION DRIVE BELT REPLACEMENT

Place new traction drive belt over transmission pulley and span to engine pulley.

Place belt into top groove of engine pulley.

Route belt through stationary and tension idlers. See Figure 45.

NOTE:

When installing a new belt, make certain the stationary idler is mounted in the hole closest to the L.H. side of the tractor. See Figure 45.

Make certain belt is within belt guides of idlers.

Attach tension idler spring to tractor frame. See Figure 46.

Reinstall mower deck in reverse order of removal.

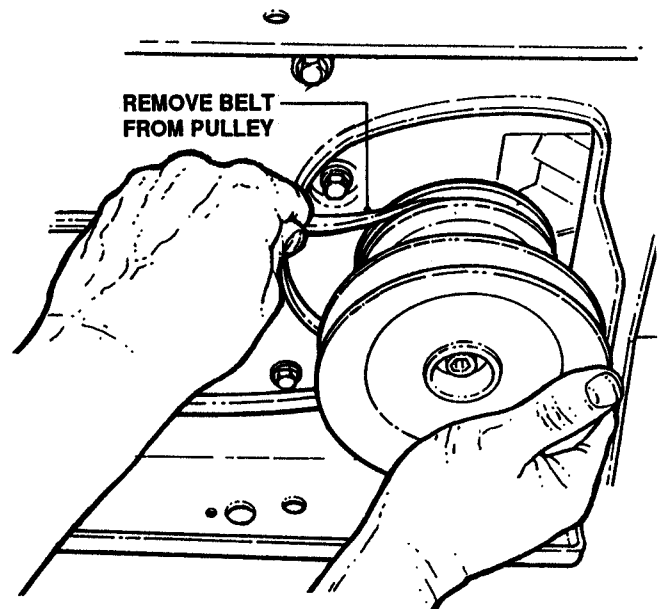


FIGURE 44

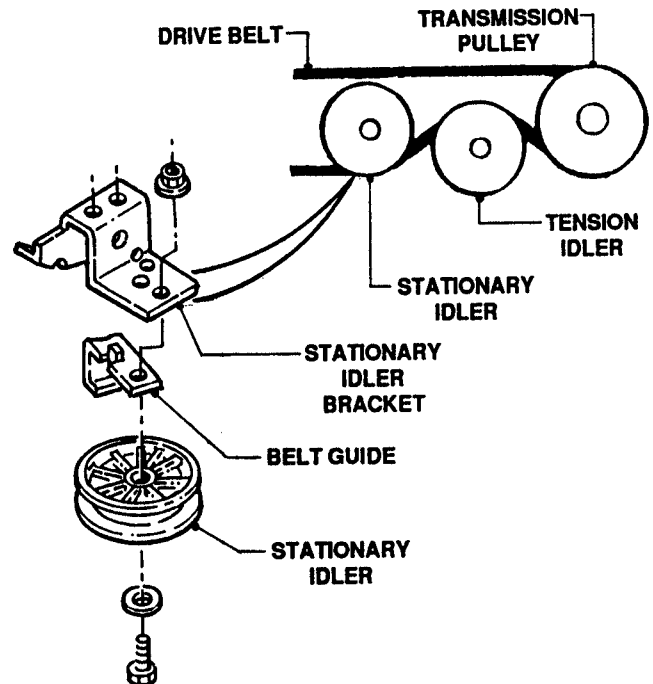


FIGURE 45

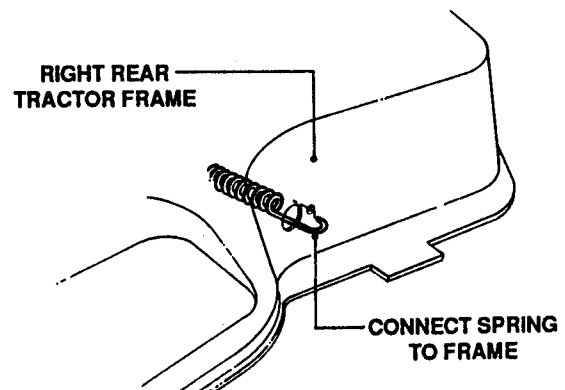


FIGURE 46

MAINTENANCE INSTRUCTIONS

BELT SERVICE Continued

30" & 33" DECK DRIVE BELT REMOVAL AND REPLACEMENT

Inspect deck drive belt for excessive wear and damage after every 25 operating hours. Replacement procedures are as follows:

Place tractor on a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from spark plug.

Remove mower deck.

Remove deck belt idler pulley. See Figure 47.

Remove spindle pulley cover. See Figure 47.

Remove old belt.

Replace with new belt, part number 2-2786 (30"), 2-6546 (33"), in reverse order.

Adjust idler pulley belt guide if necessary to obtain 1/16" clearance between belt and belt guide. See Figure 48.

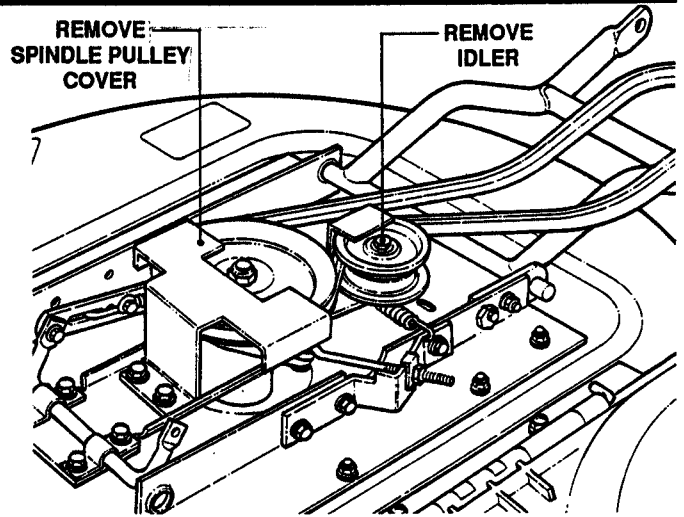


FIGURE 47

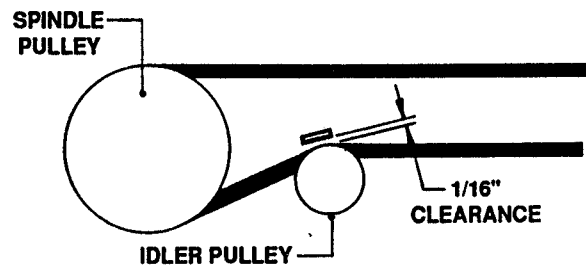


FIGURE 48

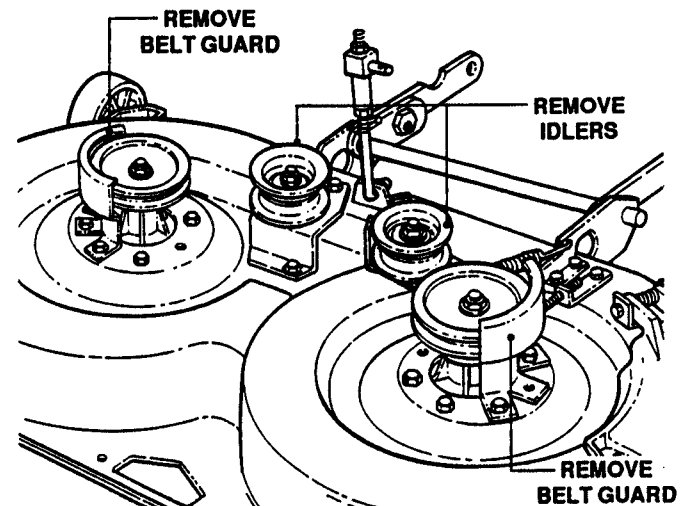


FIGURE 49

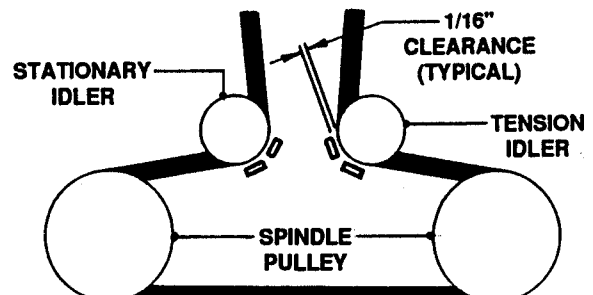


FIGURE 50

38" DECK DRIVE BELT REMOVAL/REPLACEMENT

Move tractor to a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from spark plug.

Remove deck from tractor.

Remove spindle belt guards. See Figure 49.

Remove tension idler. See Figure 49.

Remove old belt.

Replace new belt, part number 2-5042, in reverse order.

Adjust idler pulley belt guide to obtain 1/16" clearance between belt and belt guide. See Figure 50.

MAINTENANCE INSTRUCTIONS

BELT SERVICE Continued

42" DECK DRIVE BELT REMOVAL/REPLACEMENT

Place tractor on a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire and secure wire away from spark plug.

Remove deck from tractor.

Remove spindle pulley belt guards. See Figure 51.

Remove idler pulleys. See Figure 51.

Remove old belt.

Replace new belt, part number 2-7737, in reverse order.

Adjust idler pulley belt guides to obtain 1/16" clearance between belt and belt guide. See Figure 51A.

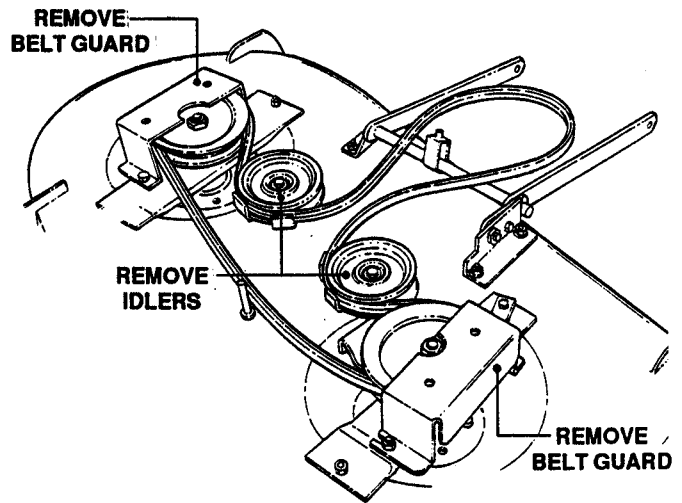


FIGURE 51

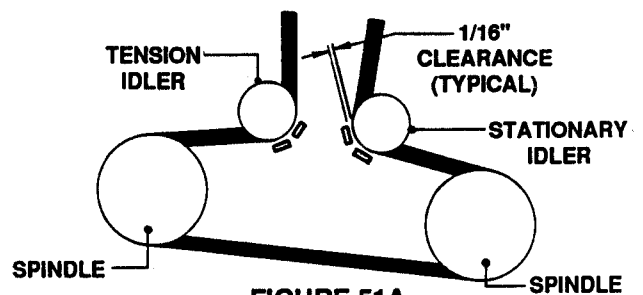


FIGURE 51A

STANDARD MOWER BLADE SERVICE

STANDARD BLADE WEAR LIMITS

All mower blades should be checked for excessive wear and damage before each use. See Figure 52.

30" & 33" MOWER BLADE REMOVAL/REPLACEMENT

Move tractor to a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from spark plug.

Remove deck from tractor.

Carefully position deck on its left side to access blade.

Remove blade mounting bolts, nuts and washers. See Figure 53.

Install new blade, part number 1-8069 30", 1-9523 33", onto blade mounting bar.

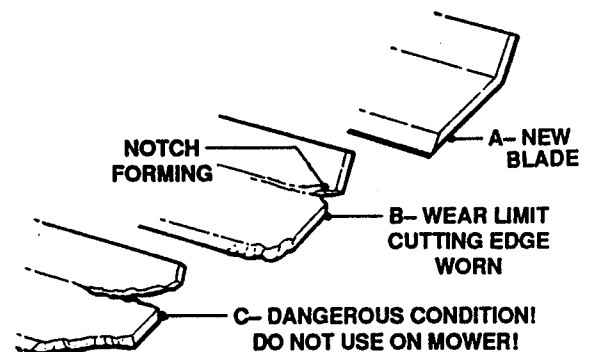


FIGURE 52

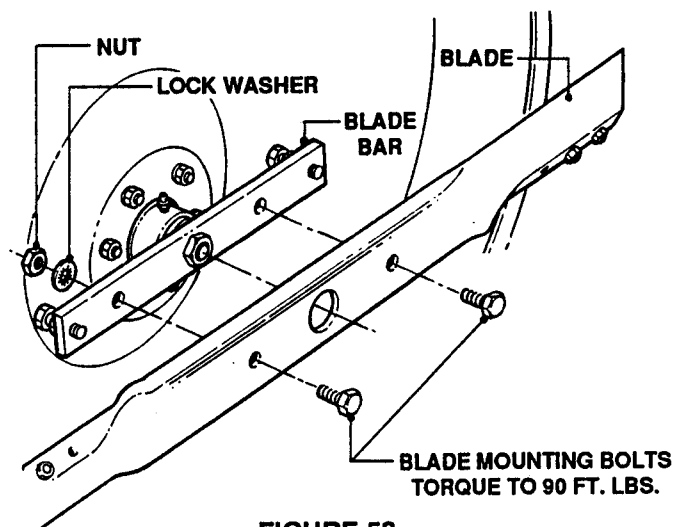


FIGURE 53

MAINTENANCE INSTRUCTIONS

STANDARD MOWER BLADE SERVICE Continued

Install blade mounting bolts, internal tooth lock washers and nuts. See Figure 53

Torque 90 ft. lbs each.

38" STANDARD MOWER BLADE REMOVAL AND REPLACEMENT

Move tractor to a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Remove mowing deck from tractor.

Carefully position deck to access blades.

Remove blade mounting nut and cone washer from each blade. See Figure 54.

Install new blades, part number 2-4466.

Secure blades with cone washers and mounting nuts. See Figure 54.

Torque blade mounting nuts to 75 ft lbs.

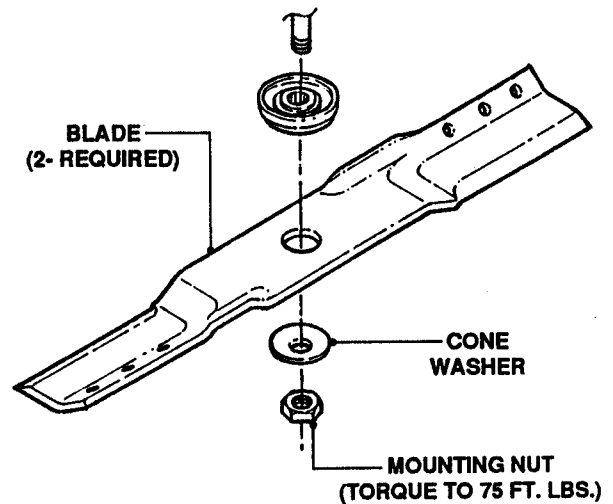


FIGURE 54

42" STANDARD MOWER BLADE REMOVAL AND REPLACEMENT

Move tractor to a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Remove mowing deck from tractor.

Carefully position deck to access blades.

Remove blade mounting bolt and washer from each blade. See Figure 55.

Install new blades, part number 2-6691.

Secure blades with washers and mounting nuts. See Figure 55. Torque blade mounting bolts to 40 ft lbs.

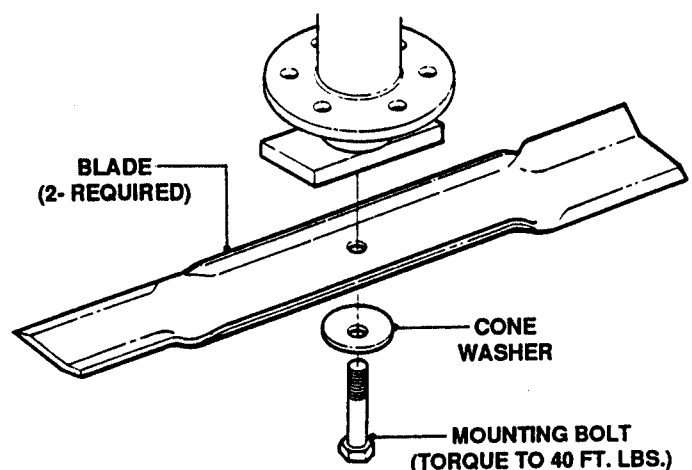


FIGURE 55

MAINTENANCE INSTRUCTIONS

STANDARD MOWER BLADE SERVICE Continued

SHARPENING STANDARD BLADE(S)

Blades should be kept sharp at all times. When the blade(s) are dull, cut grass will be ragged and lawn will usually turn brown. Sharpen standard blades as follows:

Move tractor to a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Remove mowing deck from tractor.

Remove mower blade(s)

Inspect for excessive wear or damage.

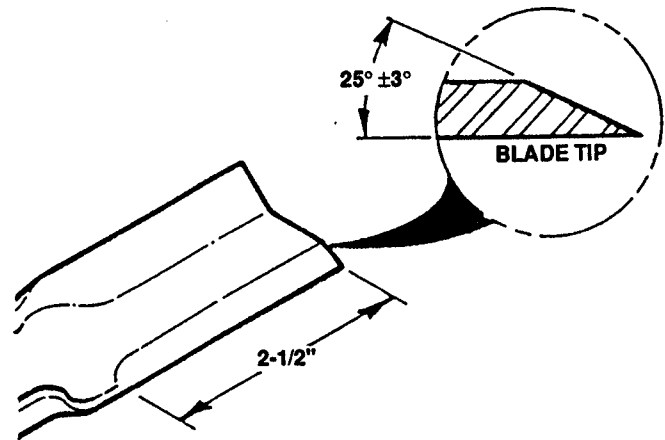




FIGURE 56

	WARNING	
<p><i>Never use a blade that shows signs of excessive wear or damage. Refer to Figure 52 for standard blade wear limits.</i></p>		

Sharpen standard mower blade(s) at 25° angle $\pm 3^{\circ}$. See Figure 56.

NINJA™ MOWER BLADE SERVICE

NINJA™ BLADE WEAR LIMITS

The Ninja™ recycling blade requires more frequent service intervals than standard blades. Check the Ninja™ recycling blade for excessive wear or damage after every use. See Figure 57.

NINJA™ BLADE SHARPENING

The Ninja™ recycling blade requires more frequent sharpening than standard blades due to its recycling method.

Remove the Ninja™ blade by following procedures for standard blade removal.

Inspect the Ninja™ blade for excessive wear or damage. See Figure 57 for Ninja™ blade wear limits.

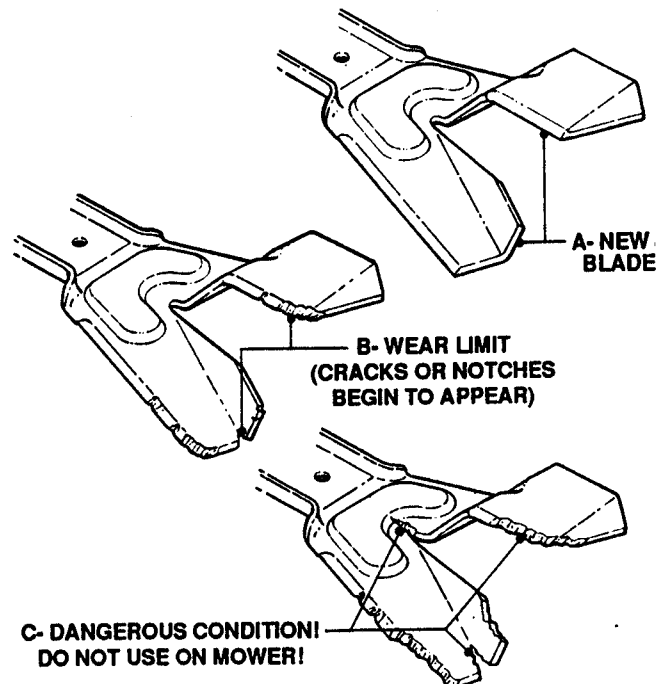


FIGURE 57

MAINTENANCE INSTRUCTIONS

NINJA™ MOWER BLADE SERVICE Continued



WARNING



Never use a blade that shows signs of excessive wear or damage. Refer to Figure 57 for Ninja™ blade wear limits.

Sharpen all cutting edges of the Ninja™ recycling blade at 27° (+3°, -2°) for optimum performance. See Figure 58.

Reinstall sharpened Ninja™ blade in reverse order of removal.

Torque mounting bolts or nuts to proper standard blade torque value for deck being serviced.

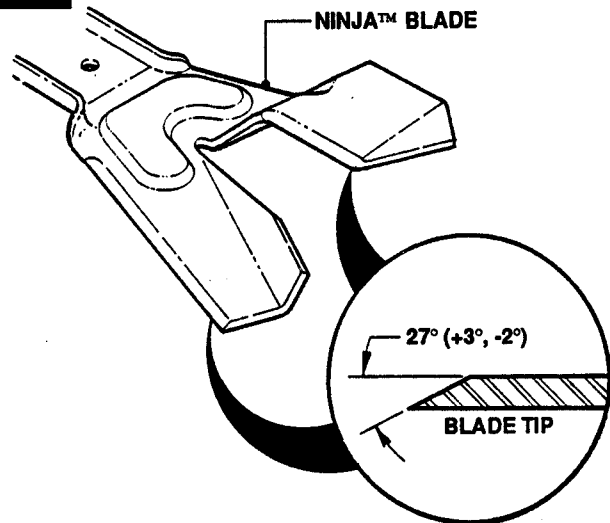


FIGURE 58

TRACTION DRIVE BELT ADJUSTMENT

Should a gradual loss of traction be noticed, it may be necessary to adjust the traction drive belt tension. Adjust as follows:

Move tractor to a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Remove mowing deck.

Remove the traction drive belt stationary idler mounting bolt. See Figure 59.

Move the stationary idler one hole towards left side of tractor for more belt tension.

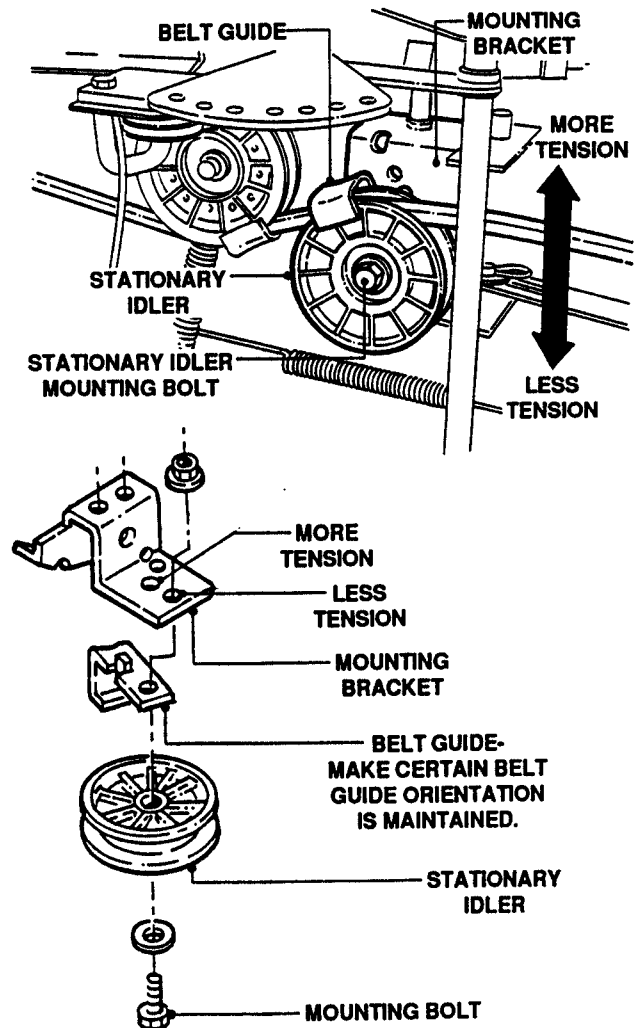


FIGURE 59

NOTE:

Note the orientation of belt guide and make certain it remains in the same orientation after moving idler.

NOTE:

Should less tension be required move stationary idler towards right side of tractor. See Figure 59.

MAINTENANCE INSTRUCTIONS

TRACTION DRIVE BELT ADJUSTMENT *Continued*

Secure stationary idler with mounting bolt.

Place spark plug wire onto spark plug.

Set park brake.

Start Engine.

Visually inspect traction drive belt for movement.

When properly adjusted, the traction drive belt should not have any movement or rotation with the engine running and park brake engaged.

Should movement be present, readjust traction drive belt to release belt tension as described in previous instructions.

BLADE BELT ADJUSTMENT

Move tractor to a firm, level surface.



Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Move blade engagement lever down to "OFF". See Figure 60.

Lower deck to lowest cutting position

Check front to rear level.

	CAUTION	
<i>If deck front to rear level is not correct, this could cause blade belt problems.</i>		

30" & 33" DECKS

Measure length of blade cable extension spring. See Figure 61.

Move blade engagement lever to "ON".

Measure blade cable extension spring. Spring should extend $1" \pm 1/8"$ for proper belt tension. See Figure 61.

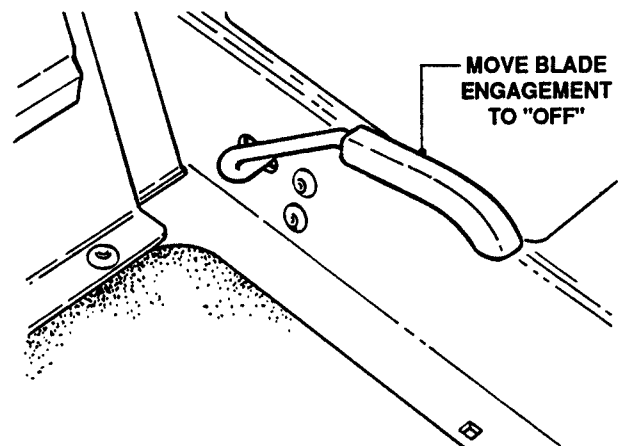


FIGURE 60

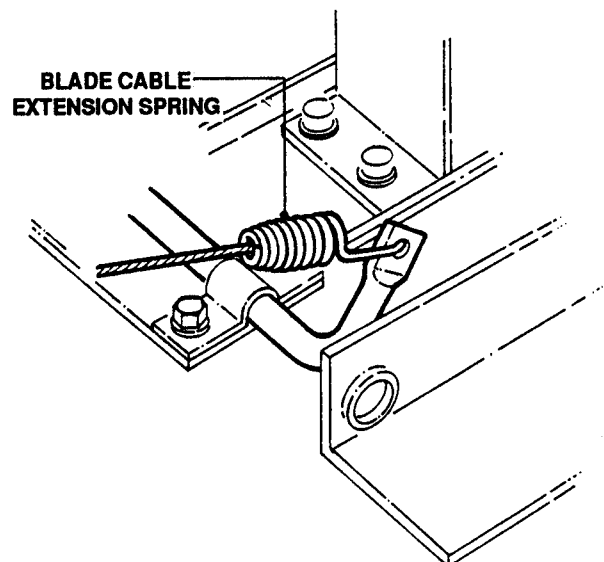


FIGURE 61

MAINTENANCE INSTRUCTIONS

BLADE BELT ADJUSTMENT *Continued*

To adjust tension, remove extension rod mounting bolt and nut. See Figure 62.

Move extension rod to next hole towards rear of deck and secure with mounting bolt and nut.

Measure extension spring with blade engagement lever in the "ON" and "OFF" positions. See Figure 61. Continue adjustment until tension is correct.

38" DECK

Measure blade cable extension spring with the blade engagement lever in the "ON" and "OFF" positions. Spring should extend $1" \pm 1/8"$ for proper adjustment

To adjust, move the stationary idler to rear of slot in mounting bracket for more tension. See Figure 63.

42" DECK

Measure blade cable extension spring with the blade engagement lever in the "ON" and "OFF" positions. Spring should extend $1" \pm 1/8"$ for proper adjustment

To adjust move the extension spring one hole towards tension idler for more tension. See Figure 64.

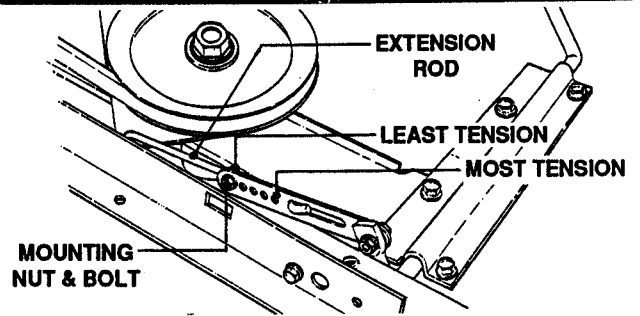


FIGURE 62

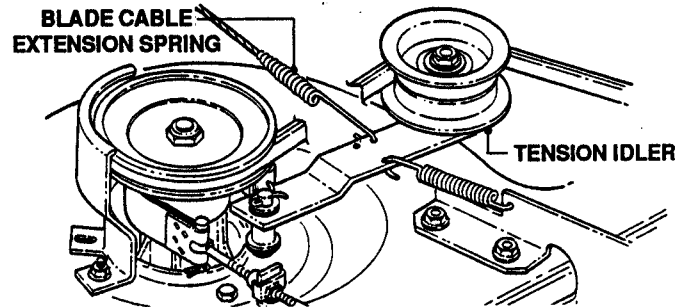


FIGURE 63

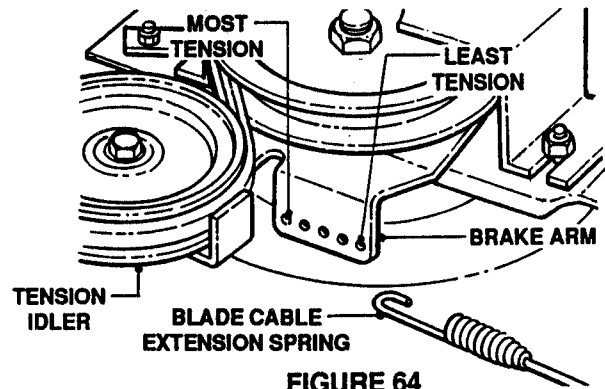


FIGURE 64

DECK LEVEL ADJUSTMENT

NOTE:

Before adjusting deck, bring tire pressure to proper psi. Front 12 psi, Rear 10 psi.

SIDE TO SIDE LEVEL

Move tractor to a firm, level surface.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Move blade engagement lever to "OFF".

Place a piece of angle iron under center rear of deck.

Remove hair pins and washers securing rear of deck to sector plates. See Figure 65.

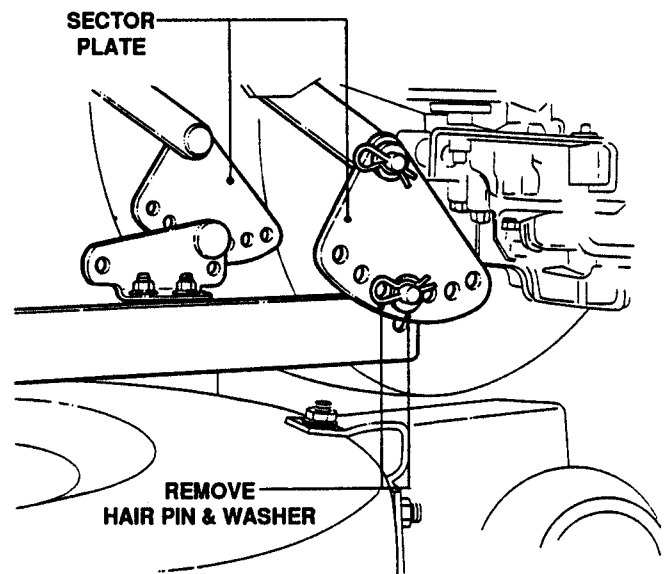


FIGURE 65

MAINTENANCE INSTRUCTIONS

DECK LEVEL ADJUSTMENT *Continued*

Slide sector off of pins and carefully lower deck onto angle iron.

Rotate blade(s) until blade tips are at each side of deck.

Measure distance from blade tip to floor on each side of deck.

Blade tips should be within 1/8" of each other for the deck to be considered level. See Figure 66.

If measurement differs more than 1/8", adjust as follows:

Loosen front lift arm pivot bolt on front of right side rail. See Figure 67.

NOTE:

The 38" deck does not incorporate a pivot bolt.

Loosen eccentric shoulder bolt. See Figure 67.

Turn eccentric "UP" or "DOWN" as required to level deck. See Figure 67.

Tighten eccentric shoulder bolt.

Tighten pivot bolt.

Place sector plates back onto rear lift arms and secure with washers and hairpins.

**CAUTION**

Make certain sector plates are mounted in the same holes on each side for proper front to rear level.

FRONT TO REAR LEVEL- SECTOR PLATES

Remove hair pins and washers securing sector plates to rear lift arms. See Figure 68.

Move sector plate as required to raise or lower deck.

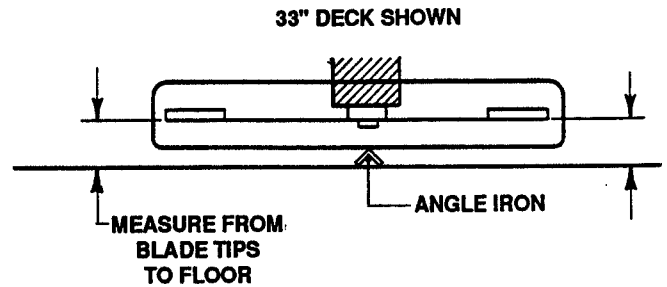


FIGURE 66

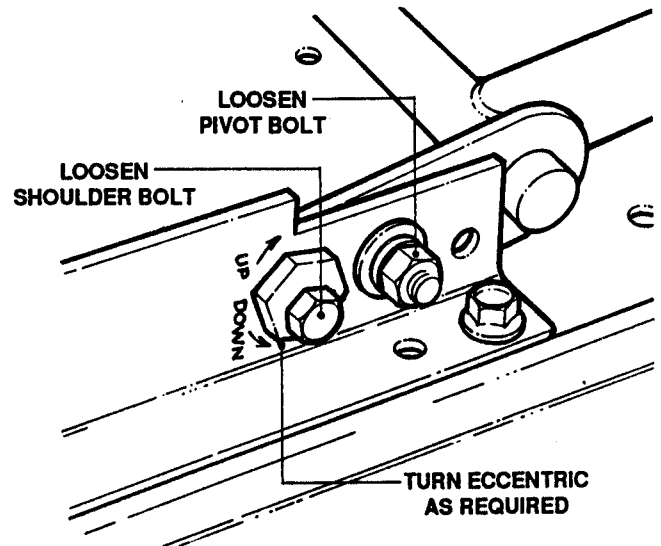


FIGURE 67

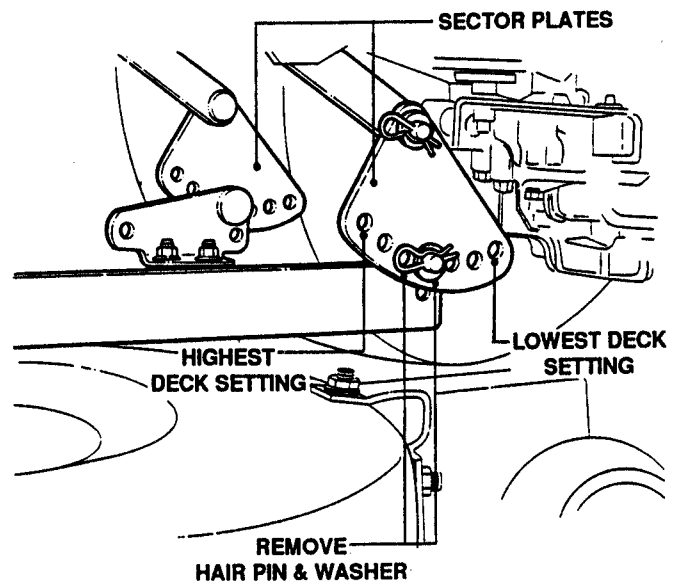


FIGURE 68

MAINTENANCE INSTRUCTIONS

DECK LEVEL ADJUSTMENT Continued

NOTE:

The deck should be set so that the rear of the deck is 1/4" lower than the front. See Figure 69.

FRONT TO REAR LEVEL— FRONT LIFT ROD

If the sector plates are in their lowest setting and proper level cannot be obtained, adjust the front lift rod as follows:

Move deck lift lever to #5 position.

Place a 2X4 wooden block on edge under front center of deck.

Place a 3X3 wooden block under rear center of deck.

Remove hair pins and washers securing sector plates. Lower rear of deck onto 3X3 block. See Figure 68.

Remove hair pin and washer securing front lift rod to front lift arm. See Figure 70.

Remove front lift rod and carefully rest front of deck onto 2X4 block.

Loosen jam nut on front lift rod. See Figure 70.

Turn front lift rod hanger block until it can be reinstalled into front lift arm without lifting deck. See Figure 70.

Secure lift rod to lift arm with washer and hair pin.

Place sector plates onto rear hanger brackets and secure with washers and hair pins.

Raise deck and remove wooden blocks.

Repeat steps for front to rear level adjustment. Refer to *FRONT TO REAR LEVEL— SECTOR PLATES*.

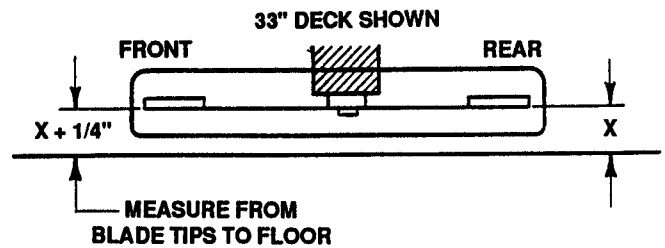


FIGURE 69

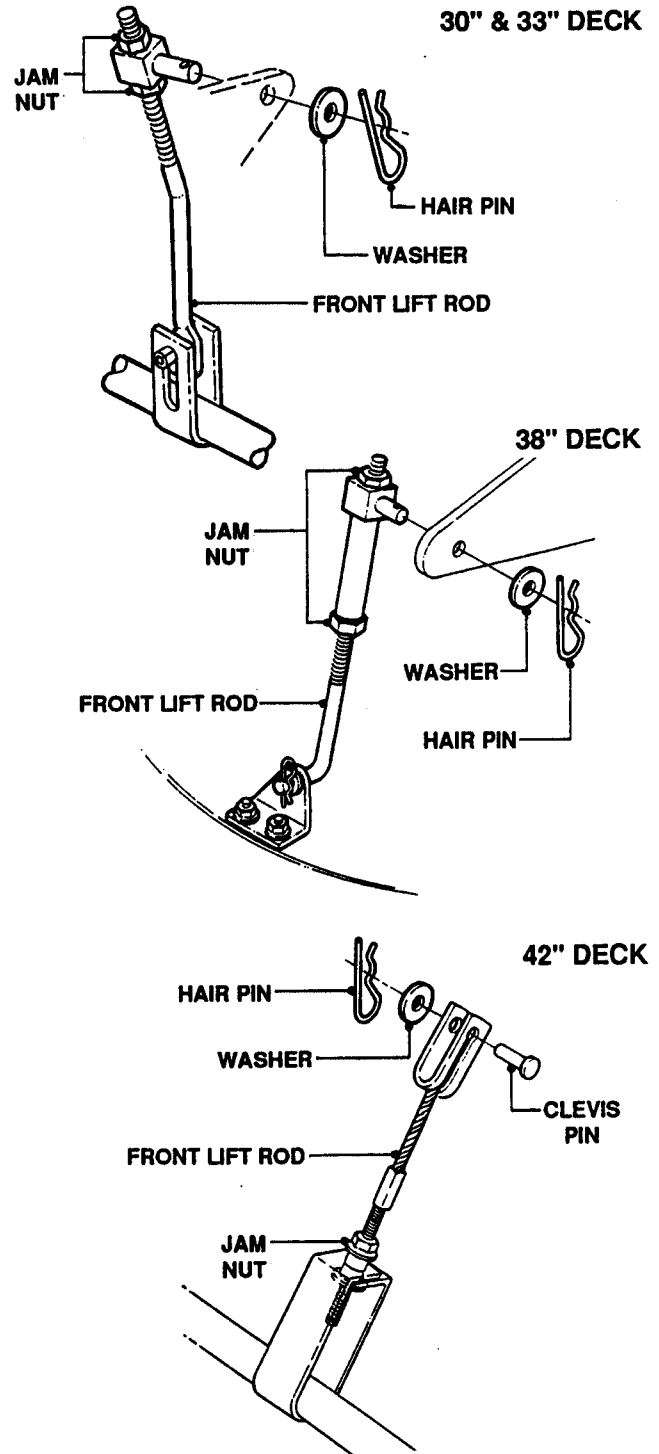


FIGURE 70



CAUTION



Make certain sector plates are mounted in the same holes on each side for proper front to rear level.

MAINTENANCE INSTRUCTIONS

STEERING ADJUSTMENT

STEERING SECTOR

Should excessive "PLAY" be present in the steering, adjust as follows:

Turn Engine "OFF" and raise tractor hood.

Remove spark plug wire from spark plug and secure wire away from plug.

From left side of tractor, locate the steering sector below fuel tank. See Figure 71.

Loosen eccentric mounting nut.

Rotate eccentric clockwise until steering "PLAY" is reduced. See Figure 71.

Tighten eccentric mounting nut.

Replace spark plug wire onto spark plug and lower hood.

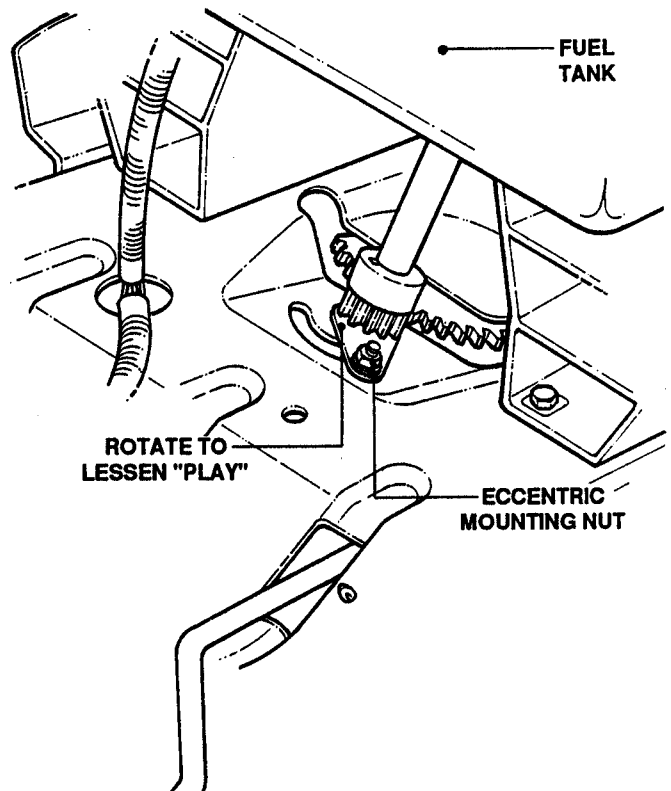


FIGURE 71

SHIFTER ADJUSTMENT

If movement of tractor does not correspond with the selected speed on shift quadrant, adjust the speed control lever as follows:

With engine running, drive tractor and move shift lever to locate neutral.

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Locate speed control lever mount behind right rear tire. See Figure 72.

Loosen mounting nuts.

Move the speed control lever until it is in direct relation to the neutral "N" position on quadrant. See Figure 73.

Tighten mounting nuts.

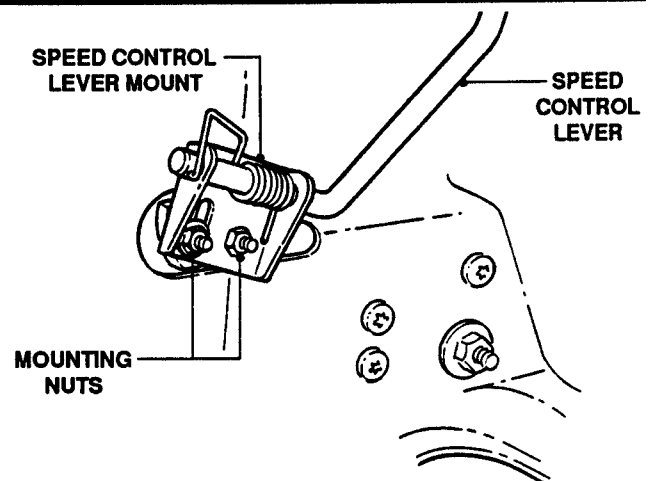


FIGURE 72

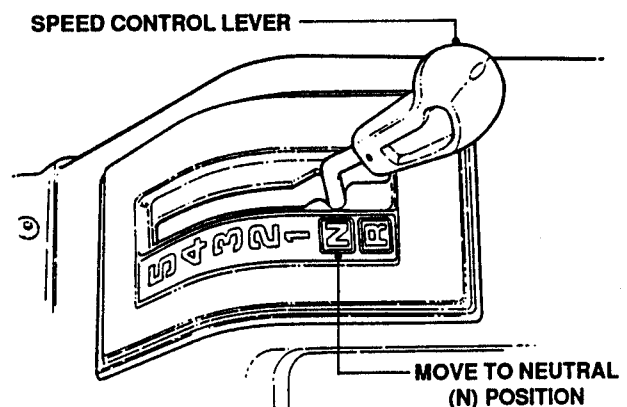


FIGURE 73

MAINTENANCE INSTRUCTIONS

BRAKE ADJUSTMENT

HYDRO DRIVE MODELS

To be properly adjusted, the brake should stop the tractor in approximately 6 feet from top speed when the clutch/brake pedal is fully depressed.

Adjust brake when necessary as follows:

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Locate brake adjustment on right side of tractor in front of and behind right rear wheel. See Figure 74.

Turn nut clockwise to increase braking action or, counterclockwise to decrease braking action. See Figure 74.

Replace spark plug wire, start engine and test brake.

Continue adjustment as described above until proper adjustment is achieved.

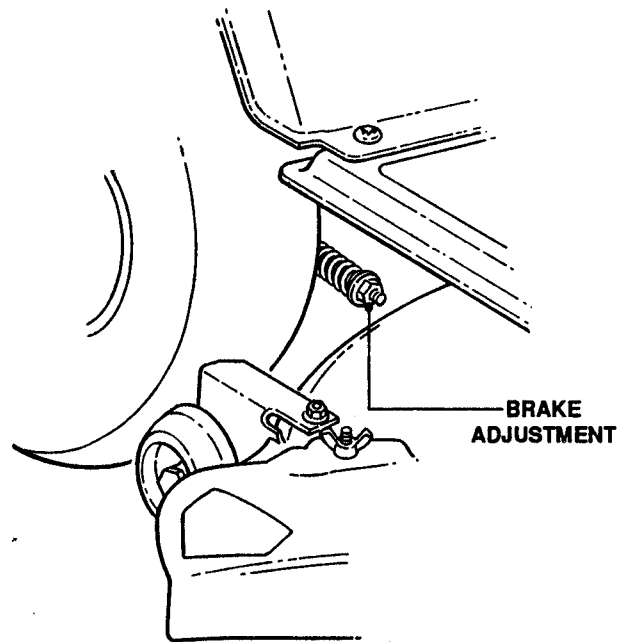


FIGURE 74

GEAR DRIVE MODELS

To be properly adjusted, the brake should stop the tractor in approximately 6 feet from top speed when the clutch/brake pedal is fully depressed.

Adjust brake when necessary as follows:

Turn engine "OFF".

Raise hood, remove spark plug wire from spark plug and secure wire away from plug.

Locate brake adjustment on right side of tractor in back of and behind right rear wheel. See Figure 75.

Turn nut clockwise to increase braking action or, counterclockwise to decrease braking action. See Figure 75.

Replace spark plug wire, start engine and test brake.

Continue adjustment as described above until proper adjustment is achieved.

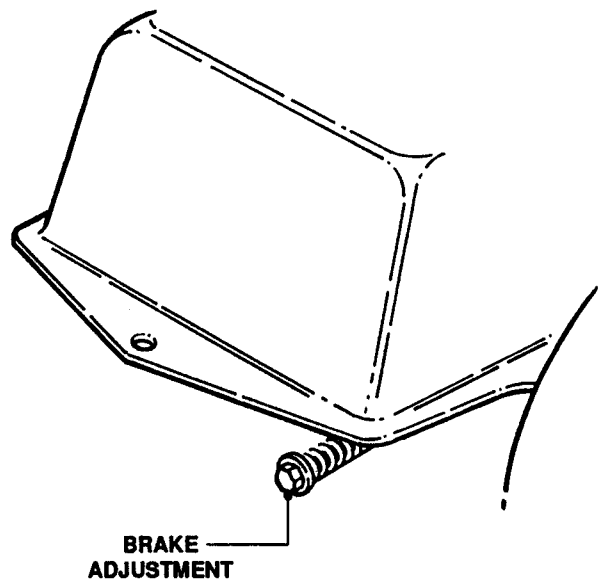


FIGURE 75

ELECTRICAL

HARNESS ROUTING

Figure 76 illustrates typical harness routing on all the Series B Lawn Tractors. Use this when locating various electrical components.

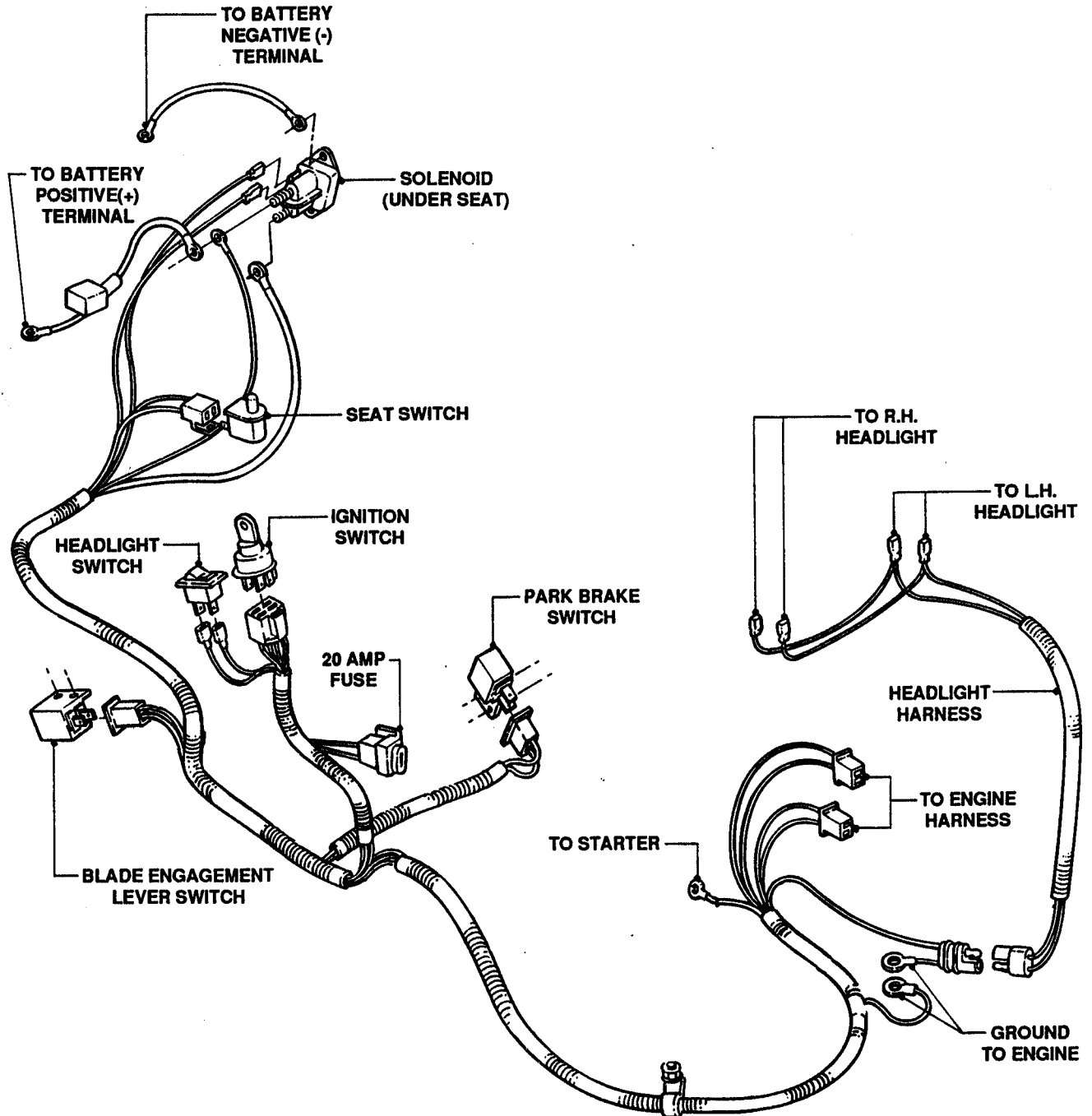


FIGURE 76

ELECTRICAL

SCHEMATICS

The schematics below, Figure 77 & Figure 78 represent models with and without headlights.

BRIGGS & STRATTON WITHOUT LIGHTS

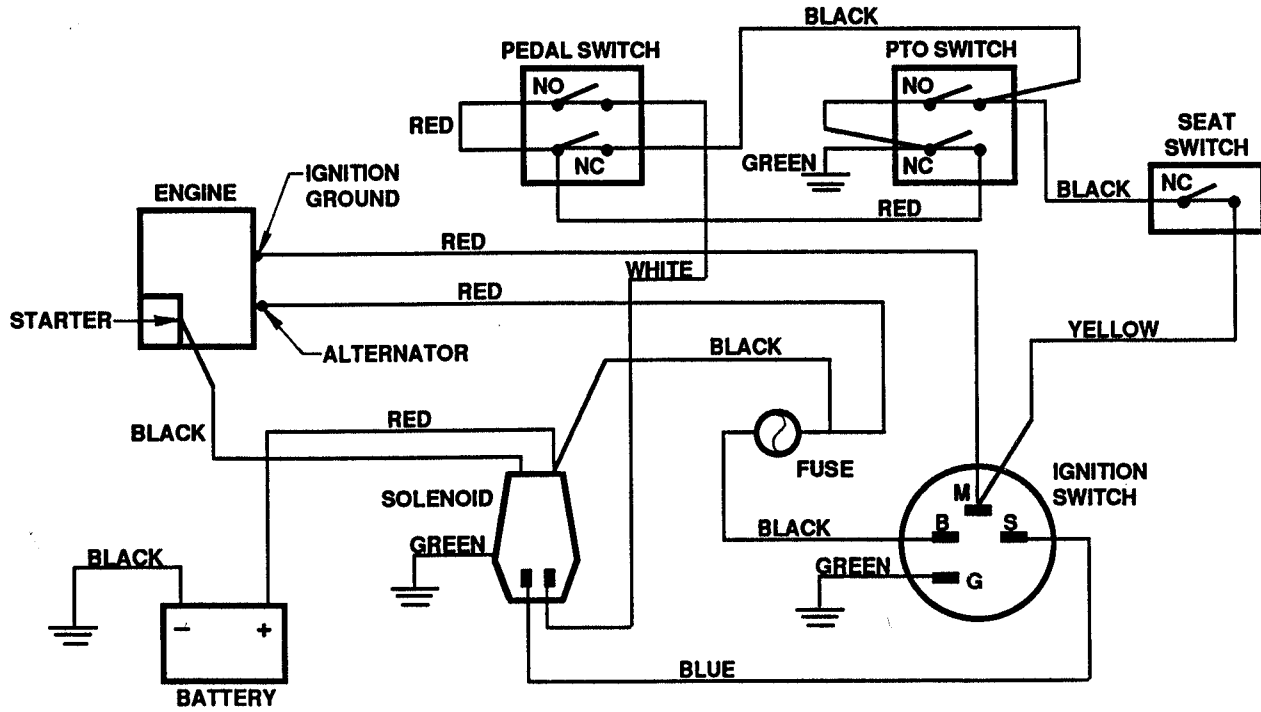


FIGURE 77

BRIGGS & STRATTON WITH LIGHTS

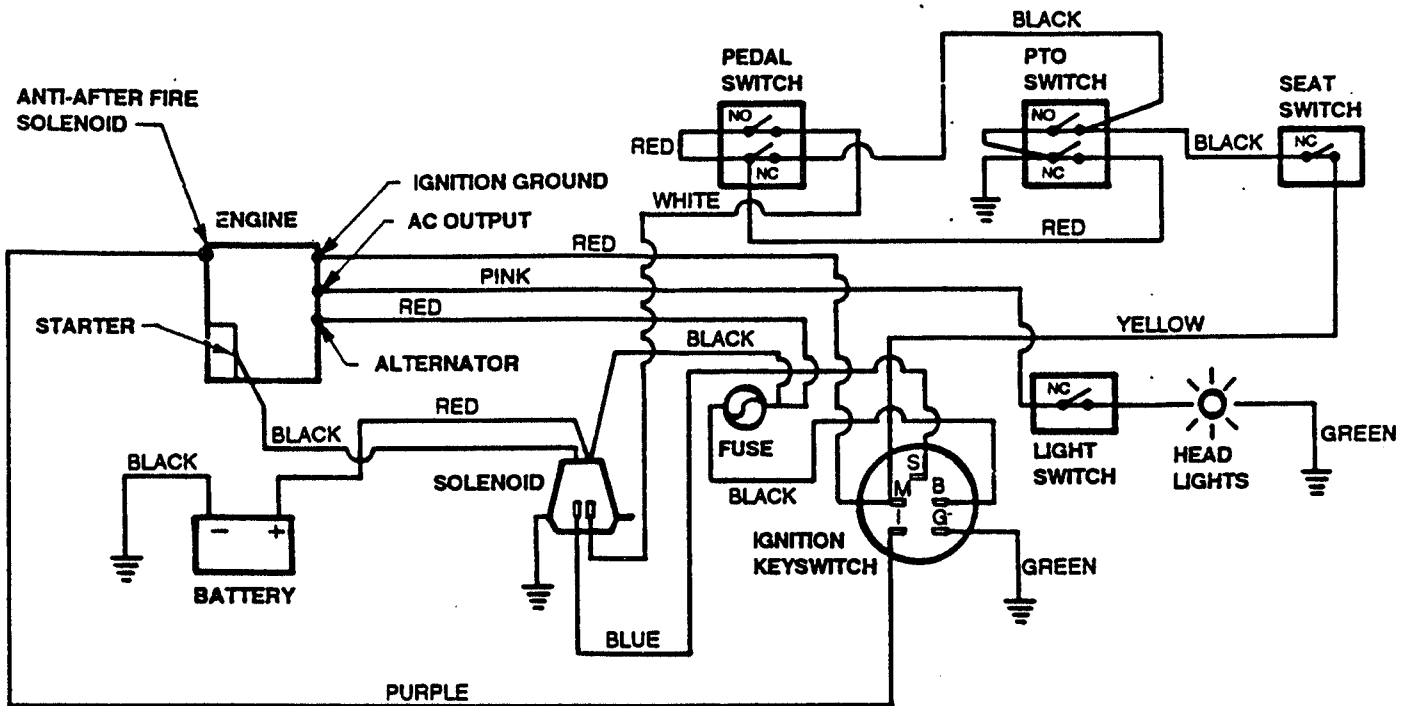


FIGURE 78

WARRANTY

SNAPPER.

2 YEAR LIMITED WARRANTY

For two (2) years from purchase date for the original purchaser's residential, non-commercial use, SNAPPER, through any SNAPPER dealer will replace, free of charge (except for taxes where applicable), any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

For ninety (90) days from purchase date for the original purchaser's commercial, rental, or other non-residential use, SNAPPER, through any SNAPPER dealer will replace, free of charge, any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation costs incurred by the purchaser in submitting material to a SNAPPER dealer for replacement under this warranty must be paid by the purchaser.

This warranty does not apply to engines and their components, hydro transmissions, gear drive transmissions and batteries, as these items are warranted separately. This warranty does not apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to two (2) years from purchase date for the original purchaser's residential, non-commercial use [ninety (90) days from purchase for the original purchaser's commercial, rental or other non-residential use], and to the extent permitted by law, any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages, under any and all warranties are excluded.

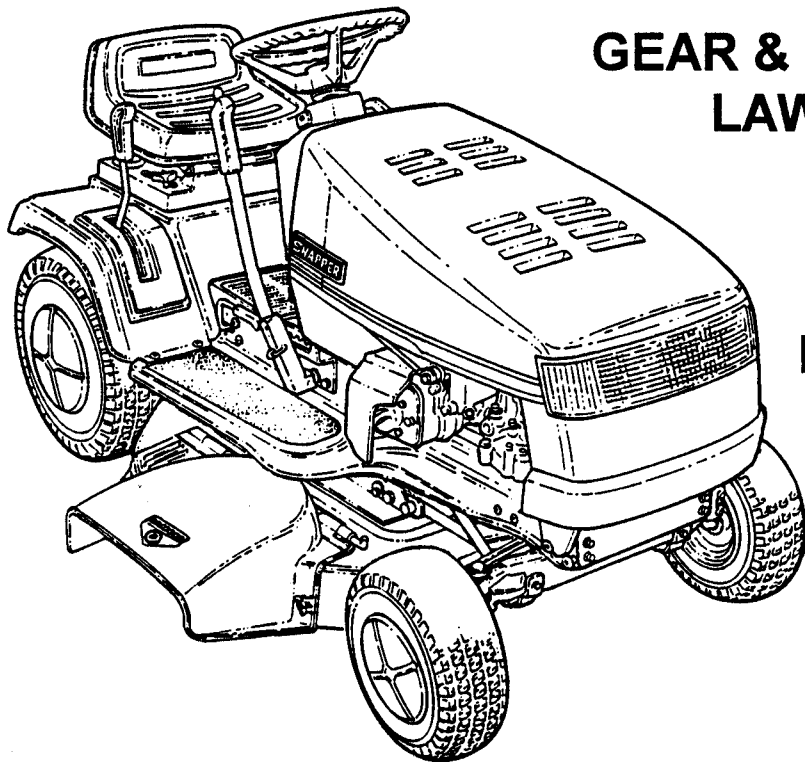
Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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

WARNING: THE USE OF REPLACEMENT PARTS OTHER THAN GENUINE SNAPPER PARTS MAY IMPAIR THE SAFETY OF SNAPPER PRODUCTS AND WILL VOID ANY LIABILITY AND WARRANTY BY SNAPPER ASSOCIATED WITH THE USE OF SUCH PARTS.

IMPORTANT: Please fill out the attached SNAPPER Product Registration Card immediately and mail to:
SNAPPER, McDONOUGH, GEORGIA 30253

Safety Instructions & Operator's Manual for



**GEAR & HYDRO DRIVE
LAWN TRACTORS**

SERIES B

MODELS

BH125G38BB

BH140H38BBV

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

